



BID NUMBER: LDPWRI-B/20298

APPOINTMENT OF A CONTRACTOR FOR THE DEMOLITION OF 15 CLASSROOMS, 04 PIT LATRINE SEATS, REFURBISHMENT OF 08 CLASSROOMS AND 23 ENVIRO-LOO SEATS AND CONSTRUCTION OF LARGE ADMINISTRATION, 23 CLASSROOMS, 02 MULTIPURPOSE CLASSROOMS, 05 GRADE R CLASSROOMS, 12 WATER-BORNE TOILET SEATS AND 32 ENVIRO-LOO TOILET SEATS, INCLUDING ALL RELATED EXTERNAL WORKS AT KOPANONG PRIMARY SCHOOL IN RIVERSIDE VILLAGE, GAMALEETSE, JANE FURSE SEKHUKHUNE DISTRICT

for

LIMPOPO DEPARTMENT OF EDUCATION (LDOE),

LIMPOPO PROVINCE

FRAMEWORK CATEGORY A (8GB AND ABOVE)

Issued by:

Limpopo Department of Public Works, Roads and Infrastructure
Works Towers Building
43 Church Street
Polokwane
0700

Contact Person: General Queries

Name : Mr NJ Motsopye,
Tel No. : 015 284 7126
Email : motsopyen@dpw.limpopo.gov.za

Technical: Technical Queries

Name : Mr K Modjadji
Tel No. : 083 673 5436
Email : ModjadjiM@dpw.limpopo.gov.za

Name of the Bidder :



CONTENTS

THE TENDER

Part T1: Tendering procedures

- T1.1 Tender notice and invitation to tender
- T1.2 Tender data

Part T2: Returnable documents

- T2.1 List of returnable documents
 - A – Mandatory Requirements
 - B – Non- Mandatory Requirements
 - C – Special Conditions and Departmental Rights
- T2.2 Returnable schedules

THE CONTRACT

Part C1: Agreements and Contract data

- C1.1 Form of offer and acceptance
- C1.2 Contract data
 - Joint Venture Agreement (If Applicable)

Part C2: Pricing data

- C2.1 Part 1 - Pricing Instructions
- C2.2 Part 2 - Bills of Quantities

DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT KOPANONG PRIMARY SCHOOL IN RIVERSIDE VILLAGE,
GAMALEETSE, JANE FURSE, SEKHUKHUNE DISTRICT

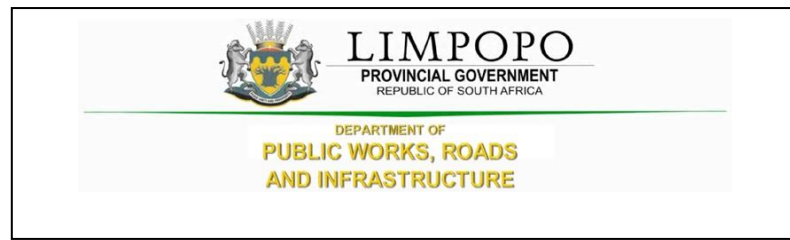
CONTRACT No. LDPWRI-B/20298

- Part C3: **Scope of Works****
C3.1 Special Notes to Bidders
C3.2 OHS Specifications

Part C4 **Drawings**

DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT KOPANONG PRIMARY SCHOOL IN RIVERSIDE VILLAGE,
GAMALEETSE, JANE FURSE, SEKHUKHUNE DISTRICT

CONTRACT No. LDPWRI-B/20298



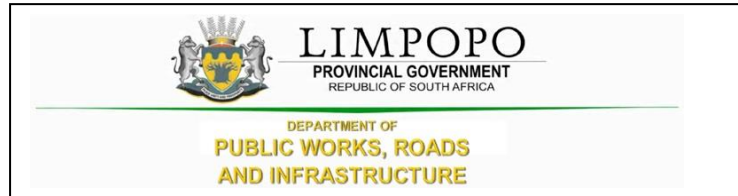
PART T1: TENDERING PROCEDURE

T1.1 Tender Notice and Invitation to Tender

The Limpopo Department of Public Works, Roads and Infrastructure invites tenderers from contractors appointed on the framework agreement on category A for **APPOINTMENT OF A CONTRACTOR FOR THE DEMOLITION OF 15 CLASSROOMS, 04 PIT LATRINE SEATS, REFURBISHMENT OF 08 CLASSROOMS AND 23 ENVIRO-LOO SEATS AND CONSTRUCTION OF LARGE ADMINISTRATION, 23 CLASSROOMS, 02 MULTIPURPOSE CLASSROOMS, 05 GRADE R CLASSROOMS, 12 WATER-BORNE TOILET SEATS AND 32 ENVIRO-LOO TOILET SEATS, INCLUDING ALL RELATED EXTERNAL WORKS AT KOPANONG PRIMARY SCHOOL IN RIVERSIDE VILLAGE, GAMALEETSE, JANE FURSE SEKHUKHUNE DISTRICT FOR LIMPOPO DEPARTMENT OF EDUCATION (LDOE)** for a period of 26 months. It is estimated that tenderers must have a CIDB contractor grading designation of **8 GB** or higher.

The conditions of the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts **Gazette Notice No. 36190 of 25 February 2013** will be applicable on this project

Project Name	APPOINTMENT OF A CONTRACTOR FOR THE DEMOLITION OF 15 CLASSROOMS, 04 PIT LATRINE SEATS, REFURBISHMENT OF 08 CLASSROOMS AND 23 ENVIRO-LOO SEATS AND CONSTRUCTION OF LARGE ADMINISTRATION, 23 CLASSROOMS, 02 MULTIPURPOSE CLASSROOMS, 05 GRADE R CLASSROOMS, 12 WATER-BORNE TOILET SEATS AND 32 ENVIRO-LOO TOILET SEATS, INCLUDING ALL RELATED EXTERNAL WORKS AT KOPANONG PRIMARY SCHOOL IN RIVERSIDE VILLAGE, GAMALEETSE, JANE FURSE SEKHUKHUNE DISTRICT FOR LIMPOPO DEPARTMENT OF EDUCATION (LDOE) FOR A PERIOD OF 26 MONTHS	
Tender Number	LDPWRI- B/20298	
Tender documents availability	Limpopo Department of Public Works, Roads and Infrastructure website	
Address for submission of tenders	DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.	
Closing date of the tender	As per Tender invite	
Closing time of the tender	As per Tender invite	
Compulsory briefing meeting (<i>Tenderers must sign the attendance register in the name of the tendering entity. Addenda (if any) will be issued only to those tendering entities appearing on the attendance register</i>)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
	Meeting venue	As per Tender invite
	Date	As per Tender invite
	Time:	As per Tender invite
Evaluation criteria	<ol style="list-style-type: none"> 1. Compliance with mandatory or compulsory requirements 2. Risk assessment on current projects 3. Price 4. Preference 	
Mandatory or Compulsory Requirements (<i>failure to submit or comply with these requirements will lead to automatic disqualification</i>)	Only tenderers who are appointed on category A registered with the Construction Industry Development Board (CIDB) with designation of 8 GB or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations are eligible to have their tenders evaluated	
	Completed and signed Form of Offer	
	Priced Bills of Quantities	
	Record of addenda to tender documents	
	Proposed amendments and qualifications	
	Declaration on the status of Administration compliance	
	CIDB grading certificate (Valid CIDB)	
	Declaration of current projects	



T1.2 Tender Data

Clause number	Tender Data
	<p>The conditions of tender are the Standard Conditions of Tender as contained in Annex C of Board Notice 423 of 2019 in Government Gazette No. 42622 of 08 August 2019, Construction Industry Development Board (CIDB) Standard for Uniformity in Construction Procurement. (See www.cidb.org.za) which are reproduced without amendment or alteration for the convenience of tenderers as an Annexure to this Tender Data.</p> <p>The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.</p> <p>The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice No. 36190 of 25 February 2013. In this case, contractor shall provide a minimum Contract Participation Goal (CPG) of 5% of the total project value and develop targeted enterprises stated under C3 of this document.</p> <p>The following variations, amendments and additions to the Standard Conditions of Tender as set out in the Tender Data below shall apply to this tender. Add the following to clauses in Standard Conditions of Tender:</p>
C.1.1	The Employer is the Department of Public Works, Roads and Infrastructure

CONTRACT No. LDPWRI-B/20298

C.1.2	<p>The Tender Part T1: Tendering procedures T1.1 Tender notice and invitation to tender T1.2 Tender data</p> <p>Part T2: Returnable documents T2.1 List of returnable documents T2.2 Returnable schedules</p> <p>The Contract Part C1: Agreements and contract data C1.1 Form of offer and acceptance C1.2 Contract data C1.3 Joint Venture Agreement (If Applicable)</p> <p>The Contract Part C2: Pricing data C2.1 Pricing instructions C2.2 Bills of Quantities</p> <p>Part 3: Scope of work C3.1 Special Notes to Bidders C3.2 OHS Specifications</p> <p>Part 4: Site information C4 Drawings</p>
C.1.4	<p>The employer's representative is:</p> <p>Name : Mr K Modjadji Tel No. : 083 673 5436 Email : ModjadjiM@dpw.limpopo.gov.za</p> <p>However, all communications related to this bid should be directed to the persons indicated under Enquires on this tender document.</p> <p>Attention is also drawn to the fact that verbal information, given by the Employer's agent during site visits/clarification meetings or at any other time prior to the award of the Contract, will not be regarded as binding on the Employer. Only information issued formally by the Employer in writing to Tenderers will be regarded as amending the Tender Documents.</p>
C.1.5	<p>The employer reserve to cancel the tender prior to the award of the tender.</p>
C1.6.2	<p>A competitive negotiation procedure will not be followed.</p>
C1.6.3	<p>A two-stage system will not be followed.</p>
C.2.1	<p>Eligibility in respect of CIDB grading</p> <p>Only tenderers who are appointed on framework agreement category A and registered with the Construction Industry Development Board (CIDB) with designation of 8 GB or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, are eligible to have their tenders evaluated.</p>
C2.2	<p>Cost of tendering</p> <p>The tenderer accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.</p>

C.2.7	<p>Compulsory site briefing</p> <p>A compulsory briefing meeting will be held as per Tender invite</p> <p>Failure to attend the site briefing will result in the bidders not being considered for the project</p> <p>Tenderers must sign the attendance list in the name of the tendering entity. Addenda (if any) will be issued only to those tendering entities appearing on the attendance list.</p>
C.2.11	<p>Alterations to the documents</p> <p>Bidders are required to not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations</p>
C.2.12	<p>Alternative tender offer</p> <p>No alternative tender offer is permitted in this tender.</p>
C.2.13.2	<p>Replace sub-clause C.2.13.2 with the following; Return all returnable documents to the employer after completing them in by writing in non-erasable black ink (Black pen)</p>
C.2.13.3	<p>Parts of each tender offer communicated on paper shall be submitted as an original</p>
C.2.13.4	<p>The tender shall be signed by a person duly authorized to do so.</p>
C.2.13.5	<p>The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p>Location of tender box: DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE. Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699 Identification details: Sealed Tender with Tender reference number, Title of Tender and the closing date and time of the tender.</p>
C.2.15.1	<p>The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.</p>
C.2.16.1	<p>The tender offer validity period is 120 days.</p>
C.2.16.2	<p>The tender accepts that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16.1 lapses before the employer evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).</p>
C.3.1	<p>The tenderer is required to indicate how they claim points for each preference point system and attached relevant supporting documents. The specific goals for claiming of preference points include the following:</p> <ul style="list-style-type: none"> - Persons who had no franchise in national elections prior to 1983 and 1993 - Women - Disabled persons - Promotion of SMMEs - Enterprises located in Limpopo Province - Promotion of youth - South African owned enterprises

	<p>CIDB Grading Certificate</p> <p>Tenders are required to provide proof of registration with the CIDB register of contractors indicating the category of registration, grading as well as the CRS number of the tenderer.</p> <p>Letter of Good Standing</p> <p>Tenderer's are required to submit, bound with the tender submission, a letter of good standing from the compensation commissioner indicating that the bidder is in good standing.</p>
C3.2	<p>Notwithstanding any requests for confirmation of receipt of Addenda issued, the tenderer shall be deemed to have received such addenda if the employer can show proof of transmission thereof (or a notice in respect thereof) via electronic mail, facsimile or registered post.</p>
C.3.4.1	<p>Tenders will not be opened immediately after the closing time for tenders.</p>
C.3.11	<p>The tenderers will be evaluated in four stages</p> <ul style="list-style-type: none"> (i) Stage 1: Compliance with mandatory requirements as stated in Part T1.1 (ii) Stage 2: Risk assessment on current projects (iii) Stage 3: Price (iv) Stage 4: Preference <p>The technical capacity (functionality) of the contractors will not be evaluated any further during evaluation of the RFQ. However, the contractors will be required to declare the status of their key staff and any administrative compliance. In cases where there are changes in the key staff, the contractor should provide CVs and qualifications of the new staff to LDPWR&I. The new staff should have similar skills, qualifications and experience as the staff submitted during tender. Similarly, the contractors will be expected to provide an update on any changes in their administrative compliances – and should submit the required SBD document/forms in such cases.</p> <p>The award will only be issued to contractors with valid Tax Clearance certificates, active CIDB grading and the contractor who meets all the legislative requirement – this shall be verified by SCM in line with the departmental SCM Policy.</p> <p>The total value of current projects for a contractor under consideration cannot exceed twice the maximum value of their relevant CIDB grade.¹</p> <ul style="list-style-type: none"> a) Stage 1: Administrative Compliance: The Compliance or compulsory documents and returnables are detailed in Section T.2.1 of this tender document. Failure to submit, complete or comply with these requirements will lead to automatic disqualification. b) Stage 2: Risk assessment on current projects <p>The total value of current projects for a contractor under consideration cannot exceed twice the maximum value of their relevant CIDB grade. Should it exceed, the bidder will therefore not be appointed.</p>

Stage 3 and 4:

The procedure for final evaluation of responsive tenders is Method 2 (Financial offer and preference). The total number of tender evaluation points (T_{EV}) shall be determined in accordance with the following formula.

$$T_{EV} = N_{FO} + N_P$$

- a) N_{FO} is the number of tender evaluation points awarded for the financial offer made. The score for financial offer is calculated using the following formula:

$$P = A * \left(1 - \frac{(P_o - P_m)}{P_m}\right)$$

Where:

A is 80 since the estimated financial value of works inclusive of VAT is equals or is less than R 50,000,000.00.

P is the points awarded to the bid under consideration

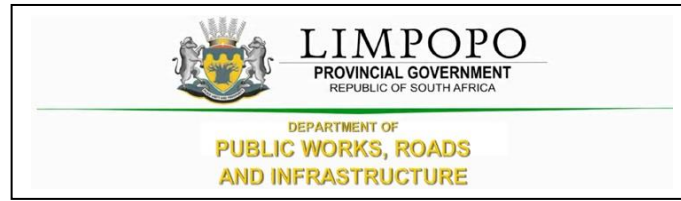
P_m is the lowest Comparative bid price

P_o is the comparative price under consideration

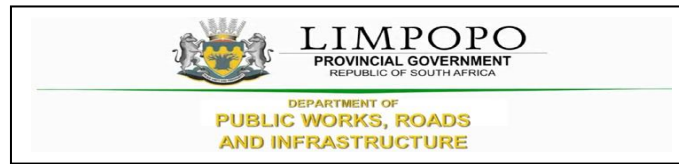
- b) N_P is the number of tender evaluation points awarded for preferences claimed in accordance with the Preferencing Schedule in 3.18

DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT KOPANONG PRIMARY SCHOOL IN RIVERSIDE VILLAGE,
GAMALEETSE, JANE FURSE, SEKHUKHUNE DISTRICT

CONTRACT No. LDPWRI-B/20298



PART T2: RETURNABLE DOCUMENTS



T2.1 : LIST OF RETURNABLE DOCUMENTS

The following documents will form part of the documents submitted to the Contractors as part of the Request for Proposals:

A -- MANDATORY REQUIREMENTS

- 2.1 Fully completed Form of Offer (Fully Completed and Signed Form of Offer)
- 2.2 Bills of Quantities (P&Gs are allowed to have a lump sum total in the P&Gs Summary Page and the rest of the Bill of Quantities trades must be completed in full (Rates and Amounts))
- 2.3 Record of Addenda to tender documents (Records of addendum must be captured in full, whether applicable or not)
- 2.5 Declaration on the status of Administration compliance (Fully completed, circled and signed)
- 2.6 CIDB grading certificate (Valid CIDB)
- 2.7 Declaration of current projects (Fully completed, circled and signed)

B – NON- MANDATORY REQUIREMENTS

- 2.8 SBD 1 (Fully Completed and Signed)
- 2.9 SBD 4 (Fully Completed and Signed). False declaration by the bidder will render the proposal non-responsive and will not be considered
- 2.9 SBD 6.1 (Failure on the part of a bidder to complete and submit proof or documentation required in terms of this tender to claim points for specific goals with tender, will be interpreted to mean that preference points for specific goals are not claimed)

SPECIFIC GOALS	REQUIRED ATTACHMENT
Persons who had no franchise in national elections prior to 1983 and 1993	Attach certified copy of South African ID as proof
Women	Attach Director's certified copy of South African ID as proof + company registration documents
Disabled Persons	Bidder with disability must attach medical certificate completed by registered medical practitioner which is registered with Health Professions Council of South Africa (HPCSA) as proof
Promotion of SMMEs	Attach latest financial statement as proof
Enterprises located in Limpopo Province	N.B: The physical address given in the SBD 1 will be used and it should be consistent or the same as the preferred address in the Central Supplier Database Report a) A Title deed, Letter from a Traditional Authority or Municipal Statement which must not be older than three (3) months; or b) A Formal Lease Agreement together with Lessor's Municipal Account or Letter from Traditional Authority
Promotion of Youth	Attach Director's certified copy of South African ID as proof
South African owned enterprises	Attach Director's certified copy of South African ID as proof + company registration documents

CONTRACT No. LDPWRI-B/20298

2.10 Attach full CSD Report (For verification of the required attachments above)

2.11 Proposed amendments and qualifications (Proposed amendments and qualifications must be captured in full, whether applicable or not)

Failure by the service provider to submit or complete item 2.1, 2.2, 2.3, 2.5, 2.6, and 2.7 will render their proposal not responsive and will not be considered.

The bidder should also not appear on the National Treasury's list of black listed entities.

C -- SPECIAL NOTES TO BIDDERS AND DEPARTMENTAL RIGHTS

The following special conditions are for compliance and attention to bidders:

I.1 LDPWR&I reserve the right to call interviews with short-listed bidders before final selection.

I.2 LDPWR&I reserve the right to conduct supplier due diligence prior to final award or at any time during the contract period. This may include surprise site visits.

I.3 LDPWR&I reserves the right to appoint the bidder that proves to be fully capable and qualifies to handle and execute the job.

I.4 The proposals submitted must be in line with the detailed specification.

I.5 LDPWR&I reserve the right to cancel or withdraw this bid if:

- i. Due to changed circumstances, there is no longer a need for these services; or
- ii. Funds are no longer available to cover the total envisaged expenditure; or
- iii. No acceptable bids are received; or
- iv. There is a material irregularity in the Bid process.

1.6 In the case of sub-contracting or joint venture agreement, LDPWR&I will enter into a single contract with the principal bidder.

1.7 Bidders who are not registered on Central Supplier Database (CSD) must register before submission of bids.

1.8 Any completion of the bid document in pencil or erasable ink will not be acceptable and will automatically disqualify the submitted bid.

1.9 Successful bidder will be required to sign and enter into a formal contract upon the award.

1.10 Notwithstanding shortcomings and/or inconsistencies, if any, in this specification, which is only a minimum specification, a bidder shall make provision for a complete solution that will deliver the required service efficiently and cost-effectively.

1.11 Bid documents must be submitted physically to the closing address as reflected on the Request for Quotation/Tender.

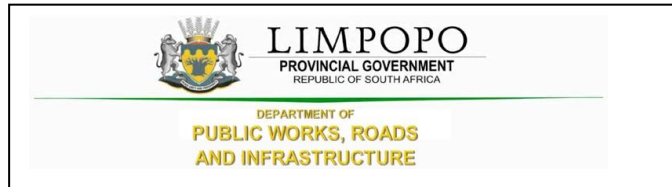
1.12 Quotations/Tenders received after the closing date and time will not be accepted for consideration.

1.13 This request for bid document contains confidential information about LDPWR&I, which has been provided to supply potential bidders with the data necessary to provide a holistic response.

1.14 No part of the contents may be used, copied, disclosed or conveyed in whole or in part to any party, in any manner whatsoever without the prior written permission of LDPWR&I.

1.15 Any reproduction or transmission of information contained in this document except for the sole purpose of responding to this bid is strictly prohibited.

1.16 References to LDPWR&I must not be made in any literature, promotional material, and brochures or sales presentations without the express written consent of LDPWR&I



T 2.2: RETURNABLE SCHEDULE

	Document Name	Returnable document
1.	Fully completed Form of Offer	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	Priced Bills of Quantities	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	Record of Addenda to tender documents	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	Proposed amendments and qualifications	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	Proof of specific goals for award of the preference points	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	SBD 1. Invitation to Tender	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	SBD 6.1: Reference Points claim form in terms of the Preferential Procurement Regulations 2022 or amended	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.	Declaration on the status of Administration compliance.	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.	Proof of CIDB class grading: 8GB or higher.	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.	Full CSD Report	<input type="checkbox"/> Yes <input type="checkbox"/> No
11.	Declaration of current projects	<input type="checkbox"/> Yes <input type="checkbox"/> No

DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT KOPANONG PRIMARY SCHOOL IN RIVERSIDE VILLAGE,
GAMALEETSE, JANE FURSE, SEKHUKHUNE DISTRICT

CONTRACT No. LDPWRI-B/20298



Declaration on the status of administrative compliance

Please indicate, by circling either **Yes** or **No**, whether the administrative information submitted with the original framework tender documents have changed or not. If yes, kindly provide the particulars below with any supporting documents.

.....

.....

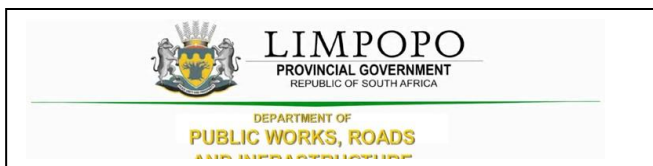
.....

.....

Signed Date _____

Name Position _____

Enterprise



Record of Addenda to tender documents

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:		
	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed Date

Name Position

Tenderer



Proposed amendments and qualifications

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

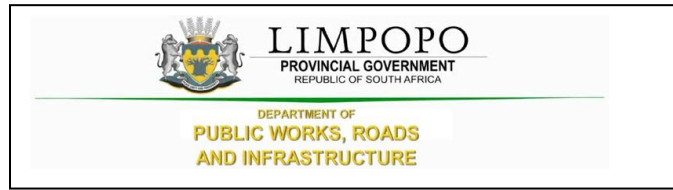
The Tenderer's attention is drawn to clause 5.8 of SANS 10845-3 regarding the employer's handling of material deviations and qualifications.

Page	Clause or item	Proposal

Signed _____ Date _____

Name _____ Position _____

Tenderer _____



SBD 1

PART A: INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

BID NUMBER:	LDPWRI-B/20298	CLOSING DATE	As per Tender Advert	CLOSING TIME:	As per Tender Advert
--------------------	-----------------------	---------------------	-----------------------------	----------------------	-----------------------------

DESCRIPTION **DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT KOPANONG PRIMARY SCHOOL**

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)

DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE.

Physical address: Corner River and Blaauwberg Streets, Ladanna, 0699.

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO

CONTACT PERSON	Mr. NJ Motsopye				
TELEPHONE NUMBER	0152847126	E-MAIL ADDRESS	motsopyen@dpw.limpopo.gov.za		

CONTACT PERSON (TECHNICAL)	Mr. K Modjadji				
TELEPHONE NUMBER	083 673 5436	E-MAIL ADDRESS	ModjadjiM@dpw.limpopo.gov.za		

SUPPLIER INFORMATION

NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
--	--	--	---

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	<input type="checkbox"/> YES <input type="checkbox"/> NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.

CONTRACT No. LDPWRI-B/20298

PART B: TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM.
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest² in the enterprise,

employed by the state?

YES/NO

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....
.....

² the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

CONTRACT No. LDPWRI-B/20298

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

.....
.....

3 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT KOPANONG PRIMARY SCHOOL IN RIVERSIDE VILLAGE,
GAMALEETSE, JANE FURSE, SEKHUKHUNE DISTRICT

CONTRACT No. LDPWRI-B/20298

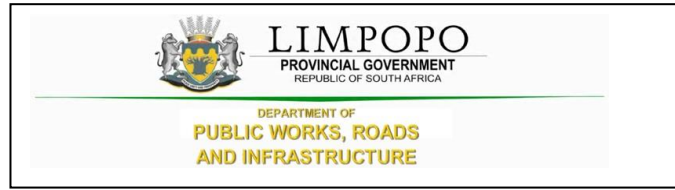
business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature Date

.....
Position Name of bidder



SBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 To be completed by the organ of state

(delete whichever is not applicable for this tender).

- a) The applicable preference point system for this tender is the 90/10 preference point system.
- ~~b) The applicable preference point system for this tender is the 80/20 preference point system.~~
- c) Either the 90/10 or 80/20 preference point system will be applicable in this tender. The lowest/highest acceptable tender will be used to determine the accurate system once tenders are received.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

CONTRACT No. LDPWRI-B/20298

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	90
SPECIFIC GOALS	10
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \mathbf{Ps} = \mathbf{80} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \mathbf{Ps} = \mathbf{80} \left(\mathbf{1} + \frac{\mathbf{Pt} - \mathbf{Pmax}}{\mathbf{Pmax}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left(\mathbf{1} + \frac{\mathbf{Pt} - \mathbf{Pmax}}{\mathbf{Pmax}} \right) \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

4.3. (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or

(b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
 then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)
Persons who had no franchise in national elections prior to 1983 and 1993	6	
Women	3	
Disabled persons	2	
Promotion of SMMEs	2	
Enterprises located in Limpopo Province	4	
Promotion of youth	1	
South African owned enterprises	2	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.4. Name of company/firm.....

4.5. Company registration number:

4.6. TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One-person business/sole propriety
- Close corporation
- Public Company
- Personal Liability Company
- (Pty) Limited
- Non-Profit Company
- State Owned Company

[TICK APPLICABLE BOX]

CONTRACT No. LDPWRI-B/20298

4.7. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

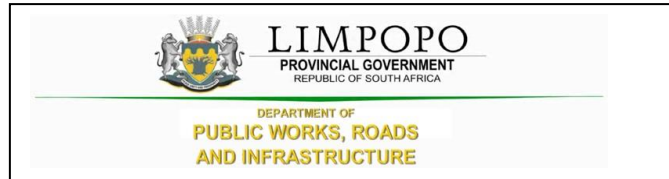
DATE:

ADDRESS:

.....

.....

.....



DECLARATION OF CURRENT PROJECTS

Current value refers to current value of projects for both General Building (GB) and Civil Engineering (CE).

Please list the current projects which your company is busy executing in the table below.

If no projects at the moment the bidder must indicate/write on this table.

Misrepresentation of facts will render your bid non-responsive.

Table 1 List of current projects executed by the bidder

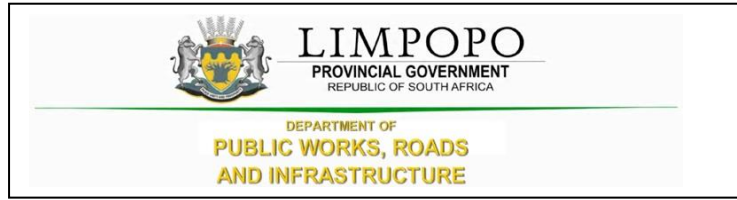
1. Do you have the current projects being executed Yes/No? (circle the correct answer)
2. Please note that it is compulsory to answer the question above and if the answer is yes, complete the table below. Failure by the service provider/bidder to answer the question above or complete the table below will render their proposal not responsive and will not be considered.

Project Description	Project Value	Start date	Planned end date	Client Name	Contact Person number

Signed _____ Date _____

Name _____ Position _____

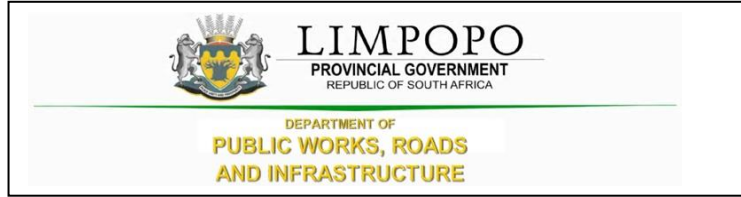
Enterprise _____



THE CONTRACT



PART C1: AGREEMENT AND CONTRACT DATA



C1.1. FORM OF OFFER AND ACCEPTANCE

Offer

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT KOPANONG PRIMARY SCHOOL IN RIVERSIDE VILLAGE, GAMALEETSE, JANE FURSE, SEKHUKHUNE DISTRICT.

The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the tender schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of the Form of Offer and Acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THE OFFERED TOTAL OF THE PRICE INCLUSIVE OF VALUE ADDED TAX IS (CONTRACT PRICE)

Rand (in words); R.....

.....

(in figures) R.....

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature(s)

Name(s)

Capacity

For the tenderer:

Name & signature of witness **Date**

Acceptance (To be completed by the employer – not the bidder)

By signing this part of this Form of Offer and Acceptance, the *Employer* identified below accepts the tenderer's Offer. In consideration thereof, the *Employer* shall pay the Consultant the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's Offer shall form an agreement between the *Employer* and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

- Part C1 Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
- Part C2 Pricing Data
- Part C3 Scope of Work

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer and the *Employer* during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Form of Offer and Acceptance. No amendments to or deviations from said documents are valid unless contained in this Schedule.

The tenderer shall within two weeks of receiving a completed copy of this agreement, including the Schedule of Deviations (if any), contact the *Employer's* agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the *conditions of contract* identified in the Contract Data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the tenderer (now *Consultant*) within five working days of the date of such receipt notifies the *Employer* in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the Parties.

For the Employer

Signature

Name

Capacity

Name and address of organization

Signature and Name of Witness

Signature

Name

Capacity

Schedule of Deviations

1 Subject

 Details

2 Subject

 Details

3 Subject

 Details

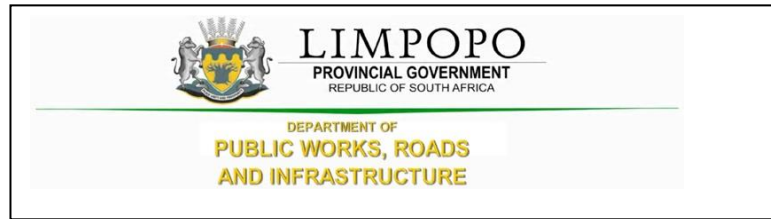
4 Subject

 Details

By the duly authorised representatives signing this agreement, the *Employer* and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the returnable schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the *Employer* during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

.....



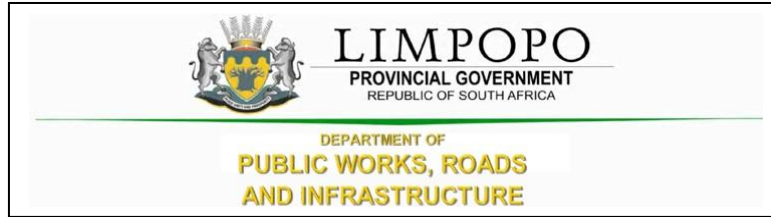
C2.1 CONTRACT DATA

The Conditions of Contract are clauses 1 to 41 of the **JBCC Series 2000 Principal Building Agreement (Edition 4.1 of March 2005)** published by the Joint Building Contracts Committee.

Copies of these conditions of contract may be obtained from the Association of South African Quantity Surveyors (011-3154140), Master Builders Association (011-205-9000; 057- 3526269) South African Association of Consulting Engineers (011-4632022) or South African Institute of Architects (051-4474909; 011-4860684; 053-8312003;)

The JBCC Principal Building Agreement makes several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities, and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the JBCC Principal Building Agreement.

The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the **CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts Gazette Notice No. 36190 of 25 February 2013.**”



PART C2: PRICING DATA

C2.1 Pricing instruction

- The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work in accordance with the provisions of the Model Bills of Quantities or Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).
- The agreement is under the JBCC N/S Subcontractor Agreement for use with the JBCC PBA (Edition 4.1 code 2101 March 2005) form of contract with Preliminaries (Code 2103 May 2005) incorporating the State Provisions of cl 41.0.
- It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders.
- The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of payment for additional work that may have to be carried out.
- An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
- The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminaries) of the Bills of Quantities.
- The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
- The bidder shall set aside a minimum of 5 % of the project value for sub-contractor/s and determine the amount to be paid for the Contract Participation Goal (CPG).



PART C2.2: BILLS OF QUANTITIES

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES NOTES</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>NOTES</u></p> <p>i) The agreement is based on the JBCC Principal Building Agreement (version 4.1). The additions, deletions and alterations to the JBCC PBA and the <i>Principal Building Agreement: Contract Data</i> and these documents have been incorporated in the Contract section of this document. The tenderer is deemed to have referred to these documents for the full and meaning of each clause. The clauses are referred to by the number and heading only. Where standard clauses or options are not applicable to the contract such notifications or corrections are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable".</p> <p>ii) The Preliminaries for use with the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, edition code 2103 March 2005 and shall be deemed to be incorporated herein</p> <p>iii) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary</p>			
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
iv)	Where standard clause or alternatives are not entirely applicable to this contract such modification, corrections or supplements as will apply are given under each relevant clause heading		
v)	Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")		
vi)	If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied) "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time.		
<u>PRICING OF PRELIMINARIES</u>			
Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.			
<u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT - (Edition 4.1, March 2005)</u>			
<u>DEFINITIONS AND INTERPRETATION (A1)</u>			
1/1/1	Clause 1.0 F:..... V:..... T:.....	Item	
<u>OFFER, ACCEPTANCE AND PERFORMANCE OBLIGATIONS (A2)</u>			
1/1/2	Clause 2.0 F:..... V:..... T:.....	Item	
<u>DOCUMENTS (A3)</u>			
1/1/3	Clause 3.0 F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>DESIGN RESPOSIBILITY (A4)</u>			
1/1/4	Clause 4.0 F:..... V:..... T:.....	Item		
	<u>EMPLOYERS AGENTS (A5)</u>			
1/1/5	Clause 5.0 F:..... V:..... T:.....	Item		
	<u>SITE REPRESENTATIVE (A6)</u>			
1/1/6	Clause 6.0 F:..... V:..... T:.....	Item		
	<u>COMPLIANCE WITH LAWS AND REGULATIONS (A7)</u>			
1/1/7	Clause 7.0 F:..... V:..... T:.....	Item		
	<u>INSURANCE AND SECURITY</u>			
	<u>WORKS RISK (A8)</u>			
1/1/8	Clause 8.0 F:..... V:..... T:.....	Item		
	<u>INDEMNITIES (A9)</u>			
1/1/9	Clause 9.0 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>WORKS INSURANCES (A10)</u>			
1/1/10	Clause 10.0 F:..... V:..... T:.....	Item		
	<u>LIABILITY INSURANCES (A11)</u>			
1/1/11	Clause 11.0 F:..... V:..... T:.....	Item		
	<u>EFFECTING INSURANCES (A12)</u>			
1/1/12	Clause 12.0 F:..... V:..... T:.....	Item		
	<u>NO CLAUSE (A13)</u>			
1/1/13	Clause 13.0 F:..... V:..... T:.....	Item		
	<u>SECURITY (A14)</u>			
1/1/14	Clause 14.0 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>EXECUTION</u>			
	<u>PREPARATION FOR AND EXECUTION OF THE WORKS (A15)</u>			
1/1/15	Clause 15.0 F:..... V:..... T:.....	Item		
	<u>ACCESS TO THE WORKS (A13)</u>			
1/1/16	Clause 16.0 F:..... V:..... T:.....	Item		
	<u>CONTRACT INSTRUCTION (A17)</u>			
1/1/17	Clause 17.0 F:..... V:..... T:.....	Item		
	<u>SETTING OUT OF THE WORKS (A18)</u>			
1/1/18	Clause 18.0 F:..... V:..... T:.....	Item		
	<u>ASSIGNMENT (A19)</u>			
1/1/19	Clause 19.0 F:..... V:..... T:.....	Item		
	<u>NOMINATED SUBCONTRACTORS (A20)</u>			
1/1/20	Clause 20.0 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>SELECTED SUBCONTRACTORS (A21)</u>			
1/1/21	Clause 21.0 F:..... V:..... T:.....	Item		
	<u>EMPLOYERS DIRECT CONTRACTORS (A22)</u>			
1/1/22	Clause 22.0 F:..... V:..... T:.....	Item		
	<u>CONTRACTORS DOMESTIC SUBCONTRACTORS (A23)</u>			
1/1/23	Clause 23.0 F:..... V:..... T:.....	Item		
	<u>COMPLETION</u>			
	<u>PRACTICAL COMPLETION (A24)</u>			
1/1/24	Clause 24.0 Contract Period: The period commencing on actual Site hand over date to the Contractor and ending on the date of Practical Completion or authorised extensions thereto including all Annual Industrial Holiday Periods, Sundays and Public Holidays. F:..... V:..... T:.....	Item		
	<u>WORKS COMPLETION (A25)</u>			
1/1/25	Clause 25.0 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>FINAL COMPLETION (A26)</u>			
1/1/26	Clause 26.0 F:..... V:..... T:.....	Item		
	<u>LATENT DEFECT'S LIABILITY PERIOD (A27)</u>			
1/1/27	Clause 27.0 F:..... V:..... T:.....	Item		
	<u>SECTIONAL COMPLETION (A28)</u>			
1/1/28	Clause 28.0 F:..... V:..... T:.....	Item		
	<u>REVISION OF THE DATE FOR PRACTICAL COMPLETION (A29)</u>			
1/1/29	Clause 29.0 F:..... V:..... T:.....	Item		
	<u>PENALTY FOR LATE OR NON-COMPLETION (A30)</u>			
1/1/30	Clause 30.0 F:..... V:..... T:.....	Item		
	<u>PAYMENT</u>			
	<u>INTERIM PAYMENT TO THE CONTRACTOR (A31)</u>			
1/1/31	Clause 31.0 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>ADJUSTMENT OF THE CONTRACT VALUE (A32)</u>			
1/1/32	Clause 32.0 F:..... V:..... T:.....	Item		
	<u>RECOVERY OF EXPENSE AND/OR LOSS (A33)</u>			
1/1/33	Clause 33.0 F:..... V:..... T:.....	Item		
	<u>FINAL ACCOUNT AND FINAL PAYMENT (A34)</u>			
1/1/34	Clause 34.0 F:..... V:..... T:.....	Item		
	<u>PAYMENT TO OTHER PARTIES (A35)</u>			
1/1/35	Clause 35.0 F:..... V:..... T:.....	Item		
	<u>CANCELLATION</u>			
	<u>CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT (A36)</u>			
1/1/36	Clause 36.0 F:..... V:..... T:.....	Item		
	<u>CANCELLATION BY EMPLOYER - LOSS AND DAMAGE (A37)</u>			
1/1/37	Clause 37.0 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT (A38)</u>			
1/1/38	Clause 38.0 F:..... V:..... T:.....	Item		
	<u>CANCELLATION - CESSATION OF THE WORKS (A39)</u>			
1/1/39	Clause 39.0 F:..... V:..... T:.....	Item		
	<u>CANCELLATION - CESSATION OF THE WORKS (A39)</u>			
1/1/40	Clause 39.0 F:..... V:..... T:.....	Item		
	<u>DISPUTE</u>			
	<u>SETTLEMENT OF DISAGREEMENTS AND DISPUTES (A40)</u>			
1/1/41	Clause 40.0 F:..... V:..... T:.....	Item		
	<u>SUBSTITUTE PROVISIONS</u>			
	<u>STATE CLAUSES (A41)</u>			
1/1/42	Clause 41.0 F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>SCHEDULE OF VARIABLES (A42)</u>			
1/1/43	<p>Clause 42.0</p> <p>F:..... V:..... T:.....</p>	Item		
	<u>AGREEMENT</u>			
	<u>AGREEMENT</u>			
1/1/44	<p>Clause</p> <p>F:..... V:..... T:.....</p> <p>Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder</p> <p><u>CONTRACT DETAILS</u></p> <p>Works Description: Demolition of 15 classrooms, 04 Pit latrine seats, admin block, Refurbishment of 08 classrooms and 23 enviro-loo seats and Construction of large administration, 23 classrooms, 02 Multipurpose classrooms, 05 Grade R Classrooms, 12 water-borne toilet seats and 32 enviro-loo toilet seats, including all related external works</p> <p>Site Description:</p> <p>Kopanong Primary School Riverside Village, Gamaleetse, Janefurse Limpopo</p> <p>Work for installation by direct contractors: TBC</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<p>This agreement is for a government contract: Yes</p> <p>Date on which possession of the site is intended to be given: TBC</p> <p>Period for the commencement of the works after the contractor takes possession of the site: 10 days</p> <p>Completions in sections are required: No</p> <p>Intended date of practical completion and the penalty per calendar day for the works as a whole:</p> <p>R 5 900.00</p> <p>Contract duration : 26 months including national builder's break</p> <p>SPECIAL COMPLETION REQUIREMENTS</p> <p>Beneficial occupation dates: TBC</p> <p>Tenant Installations beneficial occupation</p> <p>F..... V..... T</p>			
1/1/45	<p>Arbitration rules as recommended by the Association of Arbitrators (SA)</p> <p>F V T</p>	Item		
1/1/46	<p>The law applicable to this agreement shall be that of South Africa</p> <p>F V T</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<p><u>INSURANCES</u></p>			
1/1/47	<p>Contract works insurance to be effected by: Contractor</p> <p>For the amount of: The Contract Sum plus 20% with deductible of R20 000.00</p> <p>Notwithstanding the provisions of Clause 41.3.2, the first amount deductible will be for the Contractor's account</p> <p>SASRIA insurance required:</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/48	<p>Public liability insurance to be effected by Contractor</p> <p>For the amount of: R 10 000 000.00</p> <p>With a deductible of: R 10 000.00 per claim</p> <p>F:..... V:..... T:.....</p>	Item		
	<p><u>DOCUMENT</u></p> <p>Waivers of contractors lien is required: Yes</p> <p>Number of construction document copies to be supplied free of charge: 3</p> <p>Number of days for submission of priced documents: TBA</p> <p>Notwithstanding the provisions of the above clause, no payments will be certified unless the priced documents are agreed with the Quantity Surveyors.</p> <p>JBCC Engineering General Conditions are to be included in the documents: No</p> <p>Alternative if contract value is not adjusted using Contract Price Adjustment Provision: N/A</p> <p>Tender Price is requested for Fixed Rates.</p>			
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>Details of changes made to the provision of JBCC standard documentation:.....</p> <p>The Contractor shall issue a Tax Invoice immediately to enable the Employer to process payment.</p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>SECTION B: PRELIMINARIES</u>			
	<u>Definition and interpretation (B1)</u>			
1/1/49	Definition and interpretation (B1.1 - B1.6.5) F:..... V:..... T:.....	Item		
	<u>Documents (B2)</u>			
1/1/50	Checking of documents (B2.1) F:..... V:..... T:.....	Item		
1/1/51	These bills of quantities contain pages and annexures as indexed on the flyleaf The items in these bills of quantities are to be read and priced in conjunction with the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 2008 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained. F:..... V:..... T:.....	Item		
1/1/52	Provisional bills of quantities (B2.2) F:..... V:..... T:.....	Item		
1/1/53	Availability of construction documentation for contracts based on provisional bills of quantities (B2.3) F:..... V:..... T:.....	Item		
1/1/54	Interests of agents (B2.4) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
1/1/55	Priced documents (B2.5) F:..... V:..... T:.....	Item		
1/1/56	Tender submission (B2.6) F:..... V:..... T:.....	Item		
1/1/57	Notwithstanding anything contained in this clause tenders shall be valid for a period of 90 days from the closing date of tenders F:..... V:..... T:.....	Item		
	<u>The site (B3)</u>			
1/1/58	Defined works area (B3.1) F:..... V:..... T:.....	Item		
1/1/59	The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent at the official site briefing meeting. Site Meeting Date: TBC The meeting will be held at: TBC Tenderers are advise to arrive at least one hour earlier for the briefing meeting in order to avoid delays related to locating the venue. F:..... V:..... T:.....	Item		
1/1/60	Inspection of the site (B3.3) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
1/1/61	<p>A compulsory briefing meeting with representatives of the Employer will not take place due to the Covid-19 Lockdown restrictions. However, tenderers are welcomed to make arrangements to visit the site on a non-compulsory basis at the Kopa Secondary School</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/62	<p>Existing premises occupied (B3.4)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/63	<p>Previous work - dimensional accuracy (B3.5)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/64	<p>Previous work - defects (B3.6)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/65	<p>Services - known (B3.7)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/66	<p>Services - unknown (B3.8)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/67	<p>Protection of trees etc (B3.9)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/68	<p>Articles of value (B3.10)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/69	<p>Inspection of adjoining properties etc (B3.11)</p> <p>F:..... V:..... T:.....</p>	Item	
Carried Forward			R
<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>Management of contract (B4)</u>			
1/1/70	<p>Management of the works (B4.1)</p> <p>The contractor is to submit with his tender a synopsis of the proposed management team envisaged for this project.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/71	<p>Programme for the works</p> <p>The contractor is to submit with his tender a detailed program outlining the envisaged programming of the works</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/72	<p>Progress meetings (B4.3)</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/73	<p>Technical meetings (B4.4)</p> <p>F:..... V:..... T:.....</p>	Item		
	<u>Samples and shop drawings and manufacturer's instructions (B5)</u>			
1/1/74	<p>Samples of materials (B5.1)</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/75	<p>Workmanship samples (B5.2)</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/76	<p>Shop drawings (B5.3)</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>Temporary works and plant (B6)</u>			
1/1/77	Deposits and fees (B6.1) F:..... V:..... T:.....	Item		
1/1/78	Enclosure of the works (B6.2) F:..... V:..... T:.....	Item		
1/1/79	Advertising (B6.3) F:..... V:..... T:.....	Item		
1/1/80	Plant, equipment, sheds and offices (B6.4) F:..... V:..... T:.....	Item		
1/1/81	Main notice board (B6.5) Provision shall be made for 1 set of Professional boards Lettering shall include 1 logo not exceeding 200 x 200mm per consultant and contractor all in colour and 1 Limpopo Department of Education chromadek signage board that must be 2 x 4m. F:..... V:..... T:.....	Item		
1/1/82	Subcontractors notice board (B6.6) F:..... V:..... T:.....	Item		
	<u>Temporary services (B7)</u>			
1/1/83	Location (B7.1) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
1/1/84	Water (B7.2) Alternative A F:..... V:..... T:.....	Item		
1/1/85	Electricity (B7.3) Alternative A F:..... V:..... T:.....	Item		
1/1/86	Telecommunication equipment (B7.4) Alternative A F:..... V:..... T:.....	Item		
1/1/87	Ablution facilities (B7.5) Alternative A F:..... V:..... T:.....	Item		
	<u>Prime cost amounts (B8)</u>			
1/1/88	Responsibility for prime cost amounts (B8.1) F:..... V:..... T:.....	Item		
	<u>Attendance on N/S Subcontractors (B9)</u>			
1/1/89	General attendance (B9.1) F:..... V:..... T:.....	Item		
1/1/90	Special attendance (B9.2) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
1/1/91	Commissioning - Fuel, water and power (B9.3) F:..... V:..... T:.....	Item		
	<u>Financial aspects (B10)</u>			
1/1/92	Statutory taxes, duties and levies (B10.1) F:..... V:..... T:.....	Item		
1/1/93	Provision for Value Added Tax (VAT) is made in the Final Summary F:..... V:..... T:.....	Item		
1/1/94	Payment of preliminaries (B10.2) F:..... V:..... T:.....	Item		
1/1/95	Adjustment of preliminaries (B10.3) F:..... V:..... T:.....	Item		
1/1/96	Payment certificate cash flow (B10.4) F:..... V:..... T:.....	Item		
1/1/97	Contractor information supply (B10.5) F:..... V:..... T:.....	Item		
	<u>General (B11)</u>			
1/1/98	Protection of works (B11.1) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward		R
1/1/99	Protection/isolation of existing/sectionally occupied works (B11.2) F:..... V:..... T:.....	Item
1/1/100	Site security (B11.3) F:..... V:..... T:.....	Item
1/1/101	Notice before covering work (B11.4) F:..... V:..... T:.....	Item
1/1/102	Disturbance (B11.5) F:..... V:..... T:.....	Item
1/1/103	Works cleaning and clearing (B11.6) F:..... V:..... T:.....	Item
1/1/104	Vermin (B11.7) F:..... V:..... T:.....	Item
1/1/105	Overhand work (B11.8) F:..... V:..... T:.....	Item
<u>Schedule of variables (B12)</u>		
1/1/106	Pre-tender information (B12.1) F:..... V:..... T:.....	Item
Carried Forward		R
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<p>Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that either no details or specific requirements are available or that the clause is not relevant to this specific contract</p>		
1/1/107	<p>12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional: Yes</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/108	<p>12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete: Yes</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/109	<p>12.1.3 Interest of agents (B2.4)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/110	<p>12.1.4 Defined works area (B3.1)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/111	<p>12.1.5 Geotechnical investigation (B3.2)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/112	<p>12.1.6 Existing premises occupied (B3.4)</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/113	<p>12.1.7 Services - known (B3.7)</p> <p>F:..... V:..... T:.....</p>	Item	
Carried Forward			R
<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
1/1/114	12.1.8 Protection of trees (B3.9) F:..... V:..... T:.....	Item	
1/1/115	12.1.9 Inspection of adjoining properties (B3.11) F:..... V:..... T:.....	Item	
1/1/116	12.1.10 Enclosure of the works (B6.2) F:..... V:..... T:.....	Item	
1/1/117	12.1.11 Offices (B6.4.3) F:..... V:..... T:.....	Item	
1/1/118	12.1.12 Main notice board (B6.5) Provision shall be made for 1 set of Professional boards Lettering shall include 1 logo not exceeding 200 x 200mm per consultant and contractor all in colour and 1 Limpopo Department of Education chromadek signage board that must be 2 x 4m. F:..... V:..... T:.....	Item	
1/1/119	12.1.13 Subcontractors notice board (B6.6) A notice board is required: No F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
1/1/120	<p>12.1.14 Water (B7.2) Alternative Selected: A</p> <p>The contractor shall make provision for water connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the Local Authority. Should the local authority refuse services supply to site, the contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Local authority would have supplied services to site ie in compliance with the specifications of the Local authority.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/121	<p>12.1.15 Electricity (B7.3) Alternative selected: A</p> <p>The contractor shall make provision for electrical power connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the Local authority. The contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Local authority would have supplied services to site ie in compliance with the specifications of the Local authority.</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
1/1/122	<p>12.1.16 Telecommunications (B7.4) Alternative selected: A</p> <p>The contractor shall make provision for telephone connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the relevant Agency. Should the Agency refuse services supply to site, the contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Agency would have supplied services to site ie in compliance wit the specifications of the Agency.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/123	<p>12.1.17 Ablution facilities (B7.5) Alternative selected: A</p> <p>The contractor shall make provision for sewer connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the Local authority. The contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Local authority would have supplied services to site ie in compliance wit the specifications of the Local authority.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/124	<p>12.1.8 Special attendance (B9.2)</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/125	<p>12.1.19 Protection of the works (B11.1)</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
1/1/126	<p>12.1.20 Protection of existing/sectionally occupied works (B11.2) Protection is required: Yes</p> <p>The contractor shall conduct an as built survey (photographic and written) prior to commencing works. All damage caused by the Contractor during the contract shall be rectified at the Contractors cost.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/127	<p>12.1.21 Disturbance (B11.5)</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/128	<p>Post tender information (B12.2)</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/129	<p>12.2.1 Payment of preliminaries Alternative selected: (A or B)</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/130	<p>12.2.2 Adjustment of preliminaries Alternative selected: (A or B)</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/131	<p>12.2.3 Additional agreed preliminaries items</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

	Brought Forward		R	
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
1/1/132	<p>GUARANTEE</p> <p>Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by structural defects in the building in which case the responsibility for replacement shall rest entirely with the contractor unless found to be as a result of a design fault.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/133	<p>SHOP DRAWINGS</p> <p>The contractor and/or nominated/selected sub-contractor shall prepare and submit, at his own expense, three (3) copies of shop drawings of all fabricated work, working or setting out drawings shop details and schedules to the principal agent for approval prior to commencement of manufacture.</p> <p>Correction of shop drawings shall not constitute a change in scope of work unless the contractor notifies the Principal Agent in writing within seven (7) calendar days and shall not proceed with fabrication until so authorised by the principal agent</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
1/1/134	<p>SAMPLES</p> <p>Samples are physical examples furnished by the contractor to illustrate materials, equipment or workmanship and to establish standards by which the work will be judged. The contractor shall furnish without delay such samples and "mock ups" as may be called for by the Principal Agent, who may reject all material and workmanship not corresponding with the approved samples.</p> <p>Samples must be submitted in duplicate or as instructed and must allow a reasonable time for their consideration.</p> <p>Samples must be properly labelled with the project name and location, contractor's name, the type, finish composition of materials date of submission and the contract document reference in which the project is identified.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/135	<p>SITE INSTRUCTIONS</p> <p>Site instructions issued are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor.</p> <p>Site instructions to the various sub-contractors may be issued only by the Principal Agent and must be issued via the contractor.</p> <p>Copies of all site instructions issued are to be submitted for the principal agent and the quantity surveyors within two (2) days of issue.</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
1/1/136	<p>OVERTIME</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the Principal Agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/137	<p>CO-OPERATION OF CONTRACTOR FOR COST CONTROL</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost control in an effort to prevent the final building cost from exceeding the budget.</p> <p>It is specifically agreed that the professionals and the contractor will endeavour to agree and sign off variations within sixty days of them arising.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/138	<p>SITE LEVELS</p> <p>Before commencement of the works, the contractor shall carry out and provide the principal agent, for approval, a survey of the existing site levels in sufficient details to enable the preparation of a final account.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/139	<p>PROPRIETARY BRANDED PRODUCTS</p> <p>The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instruction after consultation with the manufacturer's authorised representative</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
1/1/140	<p>AS BUILT DRAWINGS</p> <p>The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records.</p> <p>F:..... V:..... T:.....</p>	Item		
1/1/141	<p>OCCUPATIONAL HEALTH AND SAFETY ACT</p> <p>In terms of the Occupational Health and Safety Regulations promulgated on 18 July 2003 and any latest editions/amendments, it will be expected from the contractor to comply fully with and adhere to all such regulations pertaining to this project as no claims in this regard will be entertained.</p> <p>F: V: T:</p>	Item		
1/1/142	<p>COVID-19 RELATED ITEMS</p> <p>In terms of the latest Covid-19 regulations and requirements, it will be expected from the contractor to comply fully with and adhere to all such regulations pertaining to this project as no claims in this regard will be entertained.</p> <p>F: V: T:</p>	Item		
Carried to Final Summary			R	
Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries and General				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>SITE CLEARANCE ETC</u></p> <p><u>Site clearance</u></p> <p>Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc</p> <p><u>EXCAVATIONS</u></p>			
2/1/1		m2	1 371	
	Carried Forward			R
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 1 Earthworks</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Excavation in earth not exceeding 2m deep</u>			
2/1/2	Trenches	m3	313
<u>Extra over excavations in earth to trenches and holes for</u>			
2/1/3	Excavation in soft rock	m3	31
2/1/4	Excavation in hard rock	m3	16
<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 93% Mod AASHTO density</u>			
<u>CARTING AWAY OF EXCAVATED MATERIAL</u>			
<u>Note:</u>			
Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or , alternatively, from stock piles situated on the building site.			
2/1/5	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3	171
<u>RISK OF COLLAPSE OF EXCAVATIONS</u>			
<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>			
2/1/6	Trenches and holes	m2	894
<u>Keeping excavations free of water</u>			
2/1/7	Keeping excavations free of water		Item
<u>FILLING, ETC.</u>			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
2/1/8	Backfilling to trenches, holes, etc	m3	158
2/1/9	Under floors, steps, pavings, etc	m3	666
Carried Forward			R
Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
2/1/10	Backfilling to trenches, holes, etc	m3	47
2/1/11	Under floors, steps, pavings, etc	m3	147
<u>Filling supplied by the Contractor under floors, trenches, etc.</u>			
2/1/12	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick	m3	147
<u>COMPACTION OF SURFACES</u>			
2/1/13	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density	m2	1 240
<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>			
<u>Protection against termites, ants, etc</u>			
2/1/14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	1 240
2/1/15	To bottom and sides of excavated trenches, Holes, etc.	m2	1 207
Carried Forward to Summary of Section No.			R
Section No. 2			
4 CLASSROOM BLOCK X 3			
Bill No. 1			
Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 2 Concrete,Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	<p style="text-align: center;">Brought Forward</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>15Mpa/19mm concrete</u></p>		R	
2/2/1	Blinding	m3	16	
	<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 2 Concrete,Formwork and Reinforcement</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>			
<u>25MPa/19mm Concrete</u>			
2/2/2	Strip footings	m3	78
<u>REINFORCED CONCRETE CAST IN FORMWORK</u>			
<u>20Mpa/19mm concrete</u>			
2/2/3	Concrete Apron cast to fall etc,	m3	26
<u>25MPa/19mm Concrete</u>			
2/2/4	Surface beds cast in panels	m3	127
<u>TEST BLOCKS</u>			
<u>Notes:</u>			
Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)			
2/2/5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	117
<u>SUNDRIES TO CONCRETE</u>			
<u>Surface treatment</u>			
2/2/6	Power float top surface of concrete surface bed to a true and even level finish	m2	1 240
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
2/2/7	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	521
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Saw cuts Joints</u>			
2/2/8	3 x 30mm In saw cut joints in floors	m	218
Carried Forward			R
Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 2 Concrete,Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward				R
	<u>Expansion joints</u>				
2/2/9	10mm soft board or similar approved between concrete and brick wall	m	261		
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<u>High and mild tensile steel reinforcement to structural concrete work</u>				
2/2/10	All diameter bars	t	6		
	<u>Fabric reinforcement:</u>				
2/2/11	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	979		
	Carried Forward to Summary of Section No.				R
	Section No. 2				
	4 CLASSROOM BLOCK X 3				
	Bill No. 2				
	Concrete, Formwork and Reinforcement				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>BRICKWORK IN FOUNDATION</u></p>			
	Carried Forward		R	
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 3 Masonry</p>			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>		
2/3/1	One brick wall	m2	335
	<u>SUPERSTRUCTURE BRICKWORK</u>		
	<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>		
2/3/2	One brick wall	m2	1 014
2/3/3	Half brick wall, in beamfilling	m2	42
	<u>FACE BRICKWORK</u>		
	Bricks shall be ordered timeously to obtain uniformity in size and colour		
	<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>		
2/3/4	Extra over brickwork for face brickwork in foundations (Provisional)	m2	671
2/3/5	Extra over brickwork for face brickwork in superstructure	m2	756
2/3/6	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	133
2/3/7	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	123
2/3/8	Extra over brickwork for face brickwork in beamfilling	m2	42
	<u>BRICKWORK SUNDRIES</u>		
	<u>Brickwork reinforcement</u>		
2/3/9	150mm Wide reinforcement built in horizontally.	m	4 954
	<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>		
2/3/10	100 x 70mm Lintels in lengths not exceeding 3m	m	156
2/3/11	175 x 70mm Lintels in lengths not exceeding 3m	m	13
	Carried Forward		R
	Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 3 Masonry		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Turning pieces</u>			
2/3/12	110mm Wide turning piece to flat brick lintels	m	133
<u>Air bricks etc</u>			
2/3/13	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	12
<u>Roof ties</u>			
2/3/14	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	234
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Expansion joints</u>			
2/3/15	30mm softboard between vertical brick surfaces not exceeding 300mm wide	m2	66
Carried Forward to Summary of Section No.			R
Section No. 2			
4 CLASSROOM BLOCK X 3			
Bill No. 3			
Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
2/4/1	Under walls	m2	9	
2/4/2	Under cills, etc.	m2	27	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
2/4/3	Under surface beds.	m2	1 240	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
2/4/4	3 x 30mm In saw cut joints in floors	m	218	
2/4/5	10mm Isolation Joints between surface bed concrete and brick wall	m	261	
	Carried Forward to Summary of Section No.			R
	Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 4 Waterproofing			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>ROOF SHEETING</u>			
	<u>Similar Approved</u>			
	<u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u>			
2/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	1 449	
2/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	105	
2/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	61	
	<u>ROOF AND WALL INSULATION</u>			
	<u>Similar Approved</u>			
	Carried Forward			R
	Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 5 Roof Coverings			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R	
2/5/4	<p><u>Sisalation "Bubble Foil" aluminium foil banded insulation</u></p> <p>135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories</p>	m2	1 449		
	Carried Forward to Summary of Section No.			R	
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 5 Roof Coverings</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 6 Carpentry and Joinery</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Plate nailed timber roof truss construction</u>			
The following is applicable in respect of roof trusses:			
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.			
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.			
All joints to be close fitted butt joints.			
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.			
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.			
Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.			
<u>Roof trusses</u>			
2/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan)	m2	1 208
<u>Sawn softwood</u>			
2/6/2	38 x 114mm Wall plates	m	281
<u>Sundries</u>			
2/6/3	Two coats creosote on sawn timbers	m2	104
<u>Similar Approved</u>			
<u>"Everite FC77" Fascia and badge boards</u>			
<u>DOORS ETC</u>			
Carried Forward			R
Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 6 Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
2/6/4	<p><u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u></p> <p>914 x 2032mm single door</p>	No	12
<p><u>WINDOWS</u></p> <p><u>Similar Approved</u></p> <p><u>"Nutec" fibre cement window cills</u></p>			
2/6/5	<p>150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations</p>	m	123
<p>Carried Forward to Summary of Section No.</p>			R
<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p>			
	Carried Forward		R	
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
2/7/1	<p>2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails</p>	m2	930	
	<p><u>CORNICES</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
2/7/2	<p>75mm Coved cornice, plugged to brickwork</p>	m	605	
	<p><u>SUNDRIES</u></p> <p><u>Extra over for Trap Doors</u></p>			
2/7/3	<p>Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening</p>	No	12	
	<p><u>CEILING INSULATION</u></p>			
	Carried Forward			R
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
2/7/4	<p><u>Insulation</u></p> <p>125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.</p>	m2	930	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<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			
AN Anodised natural			
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>Rates</u>			
The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.			
<u>DOOR FURNITURE</u>			
<u>Similar Approved</u>			
<u>Locks</u>			
2/8/1	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No	12
2/8/2	SC 150mm Cabin hook (Code: CH 150)	No	12
<u>Kick and push plates</u>			
2/8/3	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	24
<u>Panic hardware</u>			
2/8/4	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	12.0
2/8/5	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	12
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, etc.</u>			
Carried Forward			R
Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<u>Pinning board consisting of pinning material/carpet surface laminated to a soft board core, complete with beading all around with a natural anodised aluminium channel surround, and surround mitred at the corners</u>			
2/8/6	2400 x 1200mm high board (Colour: Light Grey), fixed to wall in strict accordance with manufacturer's recommendations	No	24	
	<u>Porcelain magnetic marker board, complete with anodised aluminium frame and slide-in aluminium pen tray</u>			
2/8/7	2000 x 1300mm high board (Colour: White), fixed to wall in strict accordance with manufacturer's recommendations	No	24	
	<u>SUNDRIES</u>			
	<u>Approved</u>			
2/8/8	"CZ8730SC" Door stop or similarly approved to wall or floors	No	12	
Carried Forward to Summary of Section No.				R
Section No. 2				
4 CLASSROOM BLOCK X 3				
Bill No. 8				
Ironmongery				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p> <p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p>			
	Carried Forward		R	
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
<p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p> <p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p> <p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p> <p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p> <p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p>				
Carried Forward				
<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 9 Metalwork</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p> <p><u>WELDED SCREENS, GATES, ETC.</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 9 Metalwork</p>		R	

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
2/9/1	<p><u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u></p> <p>Steel gate to door, size 914mm x 2032mm high</p>	No	12
<u>PRESSED STEEL DOOR FRAMES</u>			
2/9/2	<p><u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p> <p>914 x 2032mm single door</p>	No	12
<u>WINDOWS FRAMES, etc.</u>			
2/9/3	<p><u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u></p> <p>Window size 1143 x 1272mm high</p>	No	108
<u>MESH IN CEILING VOIDS</u>			
2/9/4	<p><u>304/VEM 320G expanded metal mesh size 1200mm x 2400mm manufactured in accordance with SANS 190-1:1983 fixed to 76 x 50mm timber purlins using 40x 0.5mm hat channels @ 400mm centres with 12 x 20mm tac screws.</u></p> <p>In Ceiling voids</p>	m2	757
<u>STEEL COLUMNS AND BEAMS</u>			
Carried Forward			R
<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward				
2/9/5	<p><u>Welded columns and beams in single lengths with flat section bearer and connection plates bolted and welded to</u></p> <p>76 x 76 x 3mm x 6.54kg/m Mild steel square tubing column</p>	kg	840		R
	Carried Forward to Summary of Section No.				R
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 9 Metalwork</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
2/10/1	30mm Thick on floors and landings	m2	799	
	<u>Granolithic screed on concrete, worked down to a true and even surface with a wood trowel</u>			
2/10/2	30mm Thick on floors	m2	182	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
2/10/3	On brick walls	m2	1 138	
2/10/4	On narrow widths	m2	114	
	<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>			
2/10/5	Aluminium straight edge M-trim suitable for under-screed fixing in vinyl/ceramic, etc. installed as per manufactures recommendation and specification.	m	10	
	Carried Forward to Summary of Section No.			
	Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 10 Plastering			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p>			
	Carried Forward		R	
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 11 Tiling</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Note</u>		
	All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.		
	<u>FLOOR TILING</u>		
	<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>		
2/11/1	On floors	m2	799
2/11/2	75mm high skirting	m	392
	<u>ATTIC STOCK</u>		
2/11/3	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	80
	<u>SUNDRIES</u>		
	<u>10mm aluminium straight edge trim</u>		
2/11/4	Dividing strip between tiles and door frames	m	10
Carried Forward to Summary of Section No.			R
Section No. 2			
4 CLASSROOM BLOCK X 3			
Bill No. 11			
Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p> <p><u>Laying, backfilling, bedding, etc., of pipes:</u></p> <p>Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions</p>			
	Carried Forward		R	
	<p>Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward		R
<u>GENERAL NOTES TO TENDERERS</u>		
General notes, described in Bill No.1, shall equally apply to this Bill.		
<u>RAINWATER GOODS</u>		
<u>Similar Approved</u>		
<u>Gutters</u>		
2/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m 281
2/12/2	Extra over eaves gutter for stopped end	No 24
2/12/3	Extra over eaves gutter for corner	No 124
2/12/4	Extra over eaves gutter for outlet	No 30
<u>Rainwater downpipes</u>		
2/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m 104
2/12/6	Extra over downpipe for offset	No 60
2/12/7	Extra over downpipe for shoe	No 30
<u>FIRE FIGHTING EQUIPMENT</u>		
<u>Extinguishers including initial charge and setting up in position:</u>		
2/12/8	9kg dry chemical powder fire extinguisher	No 24
2/12/9	Fire hose reel with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No 6
Carried Forward to Summary of Section No.		R
Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 12 Plumbing and Drainage		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 13</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Note:</u></p> <p>All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400</p> <p><u>GLASS TO STEEL WITH PUTTY</u></p> <p><u>5mm clear floated glass fixed glazing putty</u></p>			
2/13/1	Panes exceeding 0.1m2 and not exceeding 0.5m2	m2	156	
	Carried Forward to Summary of Section No.			R
	Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 13 Glazing			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 14</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>FIBRE CEMENT</u></p> <p><u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u></p>			
2/14/1	On internal ceilings and cornices	m2	983	
2/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	281	
	<p><u>FLOATED PLASTER INTERNAL WALLS</u></p> <p><u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u></p>			
2/14/3	Plastered walls	m2	1 138	
	<p><u>METAL SURFACES</u></p> <p><u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u></p>			
2/14/4	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	45	
	Carried Forward			R
	Section No. 2 4 CLASSROOM BLOCK X 3 Bill No. 14 Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
2/14/5	On window frames	m2	156	
2/14/6	On door frames	m2	15	
2/14/7	On mild steel columns, beams, etc	m2	39	
2/14/8	On gutters	m	281	
2/14/9	On downpipes	m	107	
	<u>WOOD</u>			
	<u>Prepare and paint three coats clear varnish:</u>			
2/14/10	On door	m2	39	
Carried Forward to Summary of Section No.				R
Section No. 2				
4 CLASSROOM BLOCK X 3				
Bill No. 14				
Paintwork				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
2/1	Earthworks	2/3	
2/2	Concrete,Formwork and Reinforcement	2/7	
2/3	Masonry	2/10	
2/4	Waterproofing	2/11	
2/5	Roof Coverings	2/13	
2/6	Carpentry and Joinery	2/17	
2/7	Ceilings,Partitions and Access Flooring	2/20	
2/8	Ironmongery	2/23	
2/9	Metalwork	2/28	
2/10	Plastering	2/29	
2/11	Tiling	2/31	
2/12	Plumbing and Drainage	2/33	
2/13	Glazing	2/34	
2/14	Paintwork	2/36	
	Carried to Final Summary		R
	Section No. 2 4 CLASSROOM BLOCK X 3		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>SITE CLEARANCE ETC</u></p>			
	Carried Forward		R	
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 1 Earthworks</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward		R
<u>Site clearance</u>		
3/1/1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2 357
<u>EXCAVATIONS</u>		
<u>Excavation in earth not exceeding 2m deep</u>		
3/1/2	Trenches	m3 85
<u>Extra over excavations in earth to trenches and holes for</u>		
3/1/3	Excavation in soft rock	m3 8
3/1/4	Excavation in hard rock	m3 4
<u>CARTING AWAY OF EXCAVATED MATERIAL</u>		
<u>Note:</u>		
Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or , alternatively, from stock piles situated on the building site.		
3/1/5	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3 46
<u>RISK OF COLLAPSE OF EXCAVATIONS</u>		
<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>		
3/1/6	Trenches and holes	m2 242
<u>Keeping excavations free of water</u>		
3/1/7	Keeping excavations free of water	Item
<u>FILLING, ETC.</u>		
Carried Forward		R
Section No. 3 3 CLASSROOM BLOCK Bill No. 1 Earthworks		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
3/1/8	Backfilling to trenches, holes, etc	m3	43
3/1/9	Under floors, steps, pavings, etc	m3	171
<u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
3/1/10	Backfilling to trenches, holes, etc	m3	13
3/1/11	Under floors, steps, pavings, etc	m3	38
<u>Filling supplied by the Contractor under floors, trenches, etc.</u>			
3/1/12	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick	m3	38
<u>COMPACTION OF SURFACES</u>			
3/1/13	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density	m2	321
<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>			
<u>Protection against termites, ants, etc</u>			
3/1/14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	321
3/1/15	To bottom and sides of excavated trenches, Holes, etc.	m2	327
Carried Forward to Summary of Section No.			R
Section No. 3			
3 CLASSROOM BLOCK			
Bill No. 1			
Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p>			
	Carried Forward			R
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 2 Concrete, Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 3 3 CLASSROOM BLOCK Bill No. 2 Concrete, Formwork and Reinforcement</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<u>GENERAL NOTES TO TENDERERS</u>				
General notes, described in Bill No.1, shall equally apply to this Bill.				
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>15Mpa/19mm concrete</u>				
3/2/1	Blinding	m3	4	
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>				
<u>25MPa/19mm Concrete</u>				
3/2/2	Strip footings	m3	21	
<u>REINFORCED CONCRETE CAST IN FORMWORK</u>				
<u>20Mpa/19mm concrete</u>				
3/2/3	Concrete Apron cast to fall etc,	m3	7	
<u>25MPa/19mm Concrete</u>				
3/2/4	Surface beds cast in panels	m3	33	
<u>TEST BLOCKS</u>				
<u>Notes:</u>				
Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)				
3/2/5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	31	
<u>SUNDRIES TO CONCRETE</u>				
Carried Forward				R
Section No. 3 3 CLASSROOM BLOCK Bill No. 2 Concrete, Formwork and Reinforcement				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Surface treatment</u>			
3/2/6	Power float top surface of concrete surface bed to a true and even level finish	m2	321
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
3/2/7	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	141
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Saw cuts Joints</u>			
3/2/8	3 x 30mm In saw cut joints in floors	m	52
<u>Expansion joints</u>			
3/2/9	10mm soft board or similar approved between concrete and brick wall	m	71
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>High and mild tensile steel reinforcement to structural concrete work</u>			
3/2/10	All diameter bars	t	2
<u>Fabric reinforcement:</u>			
3/2/11	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	251
Carried Forward to Summary of Section No.			R
Section No. 3 3 CLASSROOM BLOCK Bill No. 2 Concrete, Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p>			
	Carried Forward		R	
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 3 Masonry</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
	<u>BRICKWORK IN FOUNDATION</u>			
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>			
3/3/1	One brick wall	m2	91	
	<u>SUPERSTRUCTURE BRICKWORK</u>			
	<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>			
3/3/2	One brick wall	m2	268	
3/3/3	Half brick wall, in beamfilling	m2	11	
	<u>FACE BRICKWORK</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>			
3/3/4	Extra over brickwork for face brickwork in foundations (Provisional)	m2	182	
3/3/5	Extra over brickwork for face brickwork in superstructure	m2	204	
3/3/6	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	32	
3/3/7	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	30	
	Carried Forward			R
	Section No. 3 3 CLASSROOM BLOCK Bill No. 3 Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
3/3/8	Extra over brickwork for face brickwork in beamfilling	m2	11
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
3/3/9	150mm Wide reinforcement built in horizontally.	m	1 323
<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>			
3/3/10	100 x 70mm Lintels in lengths not exceeding 3m	m	37
3/3/11	175 x 70mm Lintels in lengths not exceeding 3m	m	3
<u>Turning pieces</u>			
3/3/12	110mm Wide turning piece to flat brick lintels	m	32
<u>Air bricks etc</u>			
3/3/13	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	3
<u>Fair cutting to face brickwork</u>			
<u>Roof ties</u>			
3/3/14	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	64
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Expansion joints</u>			
3/3/15	30mm softboard between vertical brick surfaces not exceeding 300mm wide	m2	18
Carried Forward to Summary of Section No.			R
Section No. 3			
3 CLASSROOM BLOCK			
Bill No. 3			
Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
3/4/1	Under walls	m2	2	
3/4/2	Under cills, etc.	m2	7	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
3/4/3	Under surface beds.	m2	321	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
3/4/4	3 x 30mm In saw cut joints in floors	m	52	
3/4/5	10mm Isolation Joints between surface bed concrete and brick wall	m	71	
	Carried Forward to Summary of Section No.			
	Section No. 3 3 CLASSROOM BLOCK Bill No. 4 Waterproofing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>ROOF SHEETING</u>			
	<u>Similar Approved</u>			
	<u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u>			
3/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	370	
3/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	27	
3/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	20	
	<u>ROOF AND WALL INSULATION</u>			
	<u>Similar Approved</u>			
	Carried Forward			R
	Section No. 3 3 CLASSROOM BLOCK Bill No. 5 Roof Coverings			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R	
3/5/4	<p><u>Sisalation "Bubble Foil" aluminium foil banded insulation</u></p> <p>135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories</p>	m2	370		
	Carried Forward to Summary of Section No.			R	
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 5 Roof Coverings</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p>			
	Carried Forward		R	
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 3 3 CLASSROOM BLOCK Bill No. 6 Carpentry and Joinery</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Plate nailed timber roof truss construction</u>			
The following is applicable in respect of roof trusses:			
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.			
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.			
All joints to be close fitted butt joints.			
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.			
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.			
Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.			
<u>Roof trusses</u>			
3/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan)	m2	308
<u>Sawn softwood</u>			
3/6/2	38 x 114mm Wall plates	m	77
<u>Sundries</u>			
3/6/3	Two coats creosote on sawn timbers	m2	28
<u>Similar Approved</u>			
Carried Forward			R
Section No. 3 3 CLASSROOM BLOCK Bill No. 6 Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>"Everite FC77" Fascia and badge boards</u>		
3/6/4	15 x 225mm Pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per architect's specification	m	77
	<u>DOORS ETC</u>		
	<u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u>		
3/6/5	914 x 2032mm single door	No	3
	<u>WINDOWS</u>		
	<u>Similar Approved</u>		
	<u>"Nutec" fibre cement window cills</u>		
3/6/6	150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations	m	30
Carried Forward to Summary of Section No.			R
Section No. 3			
3 CLASSROOM BLOCK			
Bill No. 6			
Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p>			
	Carried Forward		R	
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p> <p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
3/7/1	2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails	m2	229	
	<p><u>CORNICES</u></p> <p><u>Similar Approved</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
3/7/2	75mm Coved cornice, plugged to brickwork	m	151	
	Carried Forward			R
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<u>SUNDRIES</u>			
	<u>Extra over for Trap Doors</u>			
3/7/3	Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	3	
	<u>CEILING INSULATION</u>			
	<u>Insulation</u>			
3/7/4	125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.	m2	229	
	Carried Forward to Summary of Section No.			
	Section No. 3 3 CLASSROOM BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<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			
AN Anodised natural			
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>Rates</u>			
The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.			
<u>DOOR FURNITURE</u>			
<u>Similar Approved</u>			
<u>Locks</u>			
3/8/1	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No	3
3/8/2	SC 150mm Cabin hook (Code: CH 150)	No	3
<u>Kick and push plates</u>			
3/8/3	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	6
<u>Panic hardware</u>			
3/8/4	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	3.0
3/8/5	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	3
Carried Forward			R
Section No. 3 3 CLASSROOM BLOCK Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<p><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, etc.</u></p> <p><u>Pinning board consisting of pinning material/carpet surface laminated to a soft board core, complete with beading all around with a natural anodised aluminium channel surround, and surround mitred at the corners</u></p>				
3/8/6	2400 x 1200mm high board (Colour: Light Grey), fixed to wall in strict accordance with manufacturer's recommendations	No	6	
<p><u>Porcelain magnetic marker board, complete with anodised aluminium frame and slide-in aluminium pen tray</u></p>				
3/8/7	2000 x 1300mm high board (Colour: White), fixed to wall in strict accordance with manufacturer's recommendations	No	6	
<p><u>SUNDRIES</u></p> <p><u>Approved</u></p>				
3/8/8	"CZ8730SC" Door stop or similarly approved to wall or floors	No	3	
Carried Forward to Summary of Section No.				R
<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 8 Ironmongery</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p>			
	Carried Forward		R	
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
<p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p> <p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p> <p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p> <p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p> <p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p> <p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p>				
Carried Forward				
<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 9 Metalwork</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 3 3 CLASSROOM BLOCK Bill No. 9 Metalwork</p>		R	

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward				R
<u>WELDED SCREENS, GATES, ETC.</u>				
<u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u>				
3/9/1	Steel gate to door, size 914mm x 2032mm high	No	3	
<u>PRESSED STEEL DOOR FRAMES</u>				
<u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u>				
3/9/2	914 x 2032mm single door	No	3	
<u>WINDOWS FRAMES, etc.</u>				
<u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u>				
3/9/3	Window size 1143 x 1272mm high	No	26	
<u>MESH IN CEILING VOIDS</u>				
<u>304/VEM 320G expanded metal mesh size 1200mm x 2400mm manufactured in accordance with SANS 190-1:1983 fixed to 76 x 50mm timber purlins using 40x 0.5mm hat channels @ 400mm centres with 12 x 20mm tac screws.</u>				
3/9/4	In Ceiling voids	m2	190	
Carried Forward				R
Section No. 3 3 CLASSROOM BLOCK Bill No. 9 Metalwork				

	Brought Forward			R
	<p><u>STEEL COLUMNS AND BEAMS</u></p> <p><u>Welded columns and beams in single lengths with flat section bearer and connection plates bolted and welded to</u></p>			
3/9/5	76 x 76 x 3mm x 6.54kg/m Mild steel square tubing column	kg	220	
	Carried Forward to Summary of Section No.			R
	Section No. 3 3 CLASSROOM BLOCK Bill No. 9 Metalwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
3/10/1	30mm Thick on floors and landings	m2	200	
	<u>Granolithic screed on concrete, worked down to a true and even surface with a wood trowel</u>			
3/10/2	30mm Thick on floors	m2	41	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
3/10/3	On brick walls	m2	285	
3/10/4	On narrow widths	m2	28	
	Carried Forward			R
	Section No. 3 3 CLASSROOM BLOCK Bill No. 10 Plastering			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
3/10/5	<p><u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u></p> <p>Aluminium straight edge M-trim suitable for under-screed fixing in vinyl/ceramic, etc. installed as per manufactures recommendation and specification.</p>	m	2	
	<p>Carried Forward to Summary of Section No.</p>			R
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 10 Plastering</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p>			
	Carried Forward		R	
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 11 Tiling</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No. 1, shall equally apply to this Bill.			
<u>Note</u>			
All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.			
<u>FLOOR TILING</u>			
<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>			
3/11/1	On floors	m2	200
3/11/2	75mm high skirting	m	98
<u>ATTIC STOCK</u>			
3/11/3	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	20
<u>SUNDRIES</u>			
<u>10mm aluminium straight edge trim</u>			
3/11/4	Dividing strip between tiles and door frames	m	2
Carried Forward to Summary of Section No.			R
Section No. 3 3 CLASSROOM BLOCK Bill No. 11 Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p>			
	Carried Forward		R	
	<p>Section No. 3 3 CLASSROOM BLOCK Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Laying, backfilling, bedding, etc., of pipes:</u>			
Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions			
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No.1, shall equally apply to this Bill.			
<u>RAINWATER GOODS</u>			
<u>Similar Approved</u>			
<u>Gutters</u>			
3/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	77
3/12/2	Extra over eaves gutter for stopped end	No	2
3/12/3	Extra over eaves gutter for corner	No	32
3/12/4	Extra over eaves gutter for outlet	No	8
<u>Rainwater downpipes</u>			
3/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	28
3/12/6	Extra over downpipe for offset	No	16
3/12/7	Extra over downpipe for shoe	No	8
<u>FIRE FIGHTING EQUIPMENT</u>			
<u>Extinguishers including initial charge and setting up in position:</u>			
3/12/8	9kg dry chemical powder fire extinguisher	No	3
Carried Forward			R
Section No. 3 3 CLASSROOM BLOCK Bill No. 12 Plumbing and Drainage			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward				
3/12/9	Fire hose reel with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2	R	
	Carried Forward to Summary of Section No.			R	
	Section No. 3 3 CLASSROOM BLOCK Bill No. 12 Plumbing and Drainage				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 13</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Note:</u></p> <p>All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400</p> <p><u>GLASS TO STEEL WITH PUTTY</u></p> <p><u>5mm clear floated glass fixed glazing putty</u></p>			
3/13/1	<p>Panes exceeding 0.1m2 and not exceeding 0.5m2</p>	m2	38	
	<p>Carried Forward to Summary of Section No.</p> <p>Section No. 3 3 CLASSROOM BLOCK Bill No. 13 Glazing</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>FIBRE CEMENT</u>			
	<u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>			
3/14/1	On internal ceilings and cornices	m2	242	
3/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	77	
	<u>FLOATED PLASTER INTERNAL WALLS</u>			
	<u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>			
3/14/3	Plastered walls	m2	285	
	<u>METAL SURFACES</u>			
	Carried Forward			R
	Section No. 3 3 CLASSROOM BLOCK Bill No. 14 Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u>			
3/14/4	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	11
3/14/5	On window frames	m2	38
3/14/6	On door frames	m2	4
3/14/7	On mild steel columns, beams, etc	m2	10
3/14/8	On gutters	m	77
3/14/9	On downpipes	m	28
<u>WOOD</u>			
<u>Prepare and paint three coats clear varnish:</u>			
3/14/10	On door	m2	10
Carried Forward to Summary of Section No.			R
Section No. 3			
3 CLASSROOM BLOCK			
Bill No. 14			
Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
3/1	Earthworks	3/3	
3/2	Concrete,Formwork and Reinforcement	3/7	
3/3	Masonry	3/10	
3/4	Waterproofing	3/11	
3/5	Roof Coverings	3/13	
3/6	Carpentry and Joinery	3/17	
3/7	Ceilings,Partitions and Access Flooring	3/20	
3/8	Ironmongery	3/23	
3/9	Metalwork	3/28	
3/10	Plastering	3/30	
3/11	Tiling	3/32	
3/12	Plumbing and Drainage	3/35	
3/13	Glazing	3/36	
3/14	Paintwork	3/38	
	Carried to Final Summary		R
	Section No. 3 3 CLASSROOM BLOCK		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 4</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>SITE CLEARANCE ETC</u></p>			
	Carried Forward		R	
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 1 Earthworks</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Site clearance</u>		
4/1/1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	971
	<u>EXCAVATIONS</u>		
	<u>Excavation in earth not exceeding 2m deep</u>		
4/1/2	Trenches	m3	216
	<u>Extra over excavations in earth to trenches and holes for</u>		
4/1/3	Excavation in soft rock	m3	22
4/1/4	Excavation in hard rock	m3	11
	<u>CARTING AWAY OF EXCAVATED MATERIAL</u>		
	<u>Note:</u>		
	Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or , alternatively, from stock piles situated on the building site.		
4/1/5	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3	118
	<u>RISK OF COLLAPSE OF EXCAVATIONS</u>		
	<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>		
4/1/6	Trenches and holes	m2	617
	<u>Keeping excavations free of water</u>		
4/1/7	Keeping excavations free of water		Item
	<u>FILLING, ETC.</u>		
	Carried Forward		R
	Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 1 Earthworks		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
4/1/8	Backfilling to trenches, holes, etc	m3	109
4/1/9	Under floors, steps, pavings, etc	m3	455
<u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
4/1/10	Backfilling to trenches, holes, etc	m3	32
4/1/11	Under floors, steps, pavings, etc	m3	98
<u>Filling supplied by the Contractor under floors, trenches, etc.</u>			
4/1/12	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick	m3	98
<u>COMPACTION OF SURFACES</u>			
4/1/13	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density	m2	865
<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>			
<u>Protection against termites, ants, etc</u>			
4/1/14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	865
4/1/15	To bottom and sides of excavated trenches, Holes, etc.	m2	832
Carried Forward to Summary of Section No.			R
Section No. 4			
2 CLASSROOM BLOCK X 4			
Bill No. 1			
Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p>			
	Carried Forward			R
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 2 Concrete, Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 2 Concrete, Formwork and Reinforcement</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No.1, shall equally apply to this Bill.			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15Mpa/19mm concrete</u>			
4/2/1	Blinding	m3	11
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>			
<u>25MPa/19mm Concrete</u>			
4/2/2	Strip footings	m3	54
<u>REINFORCED CONCRETE CAST IN FORMWORK</u>			
<u>20Mpa/19mm concrete</u>			
4/2/3	Concrete Apron cast to fall etc,	m3	21
<u>25MPa/19mm Concrete</u>			
4/2/4	Surface beds cast in panels	m3	85
<u>TEST BLOCKS</u>			
<u>Notes:</u>			
Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)			
4/2/5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	78
<u>SUNDRIES TO CONCRETE</u>			
Carried Forward			R
Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 2 Concrete,Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Surface treatment</u>			
4/2/6	Power float top surface of concrete surface bed to a true and even level finish	m2	865
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
4/2/7	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	425
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Saw cuts Joints</u>			
4/2/8	3 x 30mm In saw cut joints in floors	m	146
<u>Expansion joints</u>			
4/2/9	10mm soft board or similar approved between concrete and brick wall	m	212
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>High and mild tensile steel reinforcement to structural concrete work</u>			
4/2/10	All diameter bars	t	4
<u>Fabric reinforcement:</u>			
4/2/11	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	653
Carried Forward to Summary of Section No.			R
Section No. 4			
2 CLASSROOM BLOCK X 4			
Bill No. 2			
Concrete,Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p>			
	Carried Forward		R	
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 3 Masonry</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
	<u>BRICKWORK IN FOUNDATION</u>			
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>			
4/3/1	One brick wall	m2	231	
	<u>SUPERSTRUCTURE BRICKWORK</u>			
	<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>			
4/3/2	One brick wall	m2	692	
4/3/3	Half brick wall, in beamfilling	m2	34	
	<u>FACE BRICKWORK</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>			
4/3/4	Extra over brickwork for face brickwork in foundations (Provisional)	m2	462	
4/3/5	Extra over brickwork for face brickwork in superstructure	m2	606	
4/3/6	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	93	
4/3/7	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	87	
	Carried Forward			R
	Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 3 Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
4/3/8	Extra over brickwork for face brickwork in beamfilling	m2	34
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
4/3/9	150mm Wide reinforcement built in horizontally.	m	3 394
<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>			
4/3/10	100 x 70mm Lintels in lengths not exceeding 3m	m	109
4/3/11	175 x 70mm Lintels in lengths not exceeding 3m	m	9
<u>Turning pieces</u>			
4/3/12	110mm Wide turning piece to flat brick lintels	m	93
<u>Air bricks etc</u>			
4/3/13	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	8
<u>Roof ties</u>			
4/3/14	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	199
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Expansion joints</u>			
4/3/15	30mm softboard between vertical brick surfaces not exceeding 300mm wide	m2	45
Carried Forward to Summary of Section No.			R
Section No. 4			
2 CLASSROOM BLOCK X 4			
Bill No. 3			
Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
4/4/1	Under walls	m2	7	
4/4/2	Under cills, etc.	m2	19	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
4/4/3	Under surface beds.	m2	865	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
4/4/4	3 x 30mm In saw cut joints in floors	m	146	
4/4/5	10mm Isolation Joints between surface bed concrete and brick wall	m	212	
	Carried Forward to Summary of Section No.			
	Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 4 Waterproofing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>ROOF SHEETING</u>			
	<u>Similar Approved</u>			
	<u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u>			
4/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	1 012	
4/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	72	
4/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	82	
	<u>ROOF AND WALL INSULATION</u>			
	<u>Similar Approved</u>			
	Carried Forward			R
	Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 5 Roof Coverings			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
4/5/4	<p><u>Sisalation "Bubble Foil" aluminium foil banded insulation</u></p> <p>135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories</p>	m2	1 012	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 5 Roof Coverings</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p>			
	Carried Forward		R	
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 6 Carpentry and Joinery</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Plate nailed timber roof truss construction</u>			
The following is applicable in respect of roof trusses:			
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.			
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.			
All joints to be close fitted butt joints.			
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.			
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.			
Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.			
<u>Roof trusses</u>			
4/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan)	m2	843
<u>Sawn softwood</u>			
4/6/2	38 x 114mm Wall plates	m	239
<u>Sundries</u>			
4/6/3	Two coats creosote on sawn timbers	m2	89
<u>Similar Approved</u>			
Carried Forward			R
Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 6 Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>"Everite FC77" Fascia and badge boards</u>		
4/6/4	15 x 225mm Pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per architect's specification	m	239
	<u>DOORS ETC</u>		
	<u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u>		
4/6/5	914 x 2032mm single door	No	8
	<u>WINDOWS</u>		
	<u>Similar Approved</u>		
	<u>"Nutec" fibre cement window cills</u>		
4/6/6	150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations	m	87
Carried Forward to Summary of Section No.			R
Section No. 4			
2 CLASSROOM BLOCK X 4			
Bill No. 6			
Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p>			
	Carried Forward		R	
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p> <p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
4/7/1	2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails	m2	571	
	<p><u>CORNICES</u></p> <p><u>Similar Approved</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
4/7/2	75mm Coved cornice, plugged to brickwork	m	398	
	Carried Forward			R
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
4/7/3	<p><u>SUNDRIES</u></p> <p><u>Extra over for Trap Doors</u></p> <p><u>CEILING INSULATION</u></p> <p><u>Insulation</u></p> <p>125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.</p>	m2	571	
	<p>Carried Forward to Summary of Section No.</p> <p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<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			
AN Anodised natural			
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>Rates</u>			
The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.			
<u>DOOR FURNITURE</u>			
<u>Similar Approved</u>			
<u>Locks</u>			
4/8/1	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No	8
4/8/2	SC 150mm Cabin hook (Code: CH 150)	No	8
<u>Kick and push plates</u>			
4/8/3	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	16
<u>Panic hardware</u>			
4/8/4	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	8.0
4/8/5	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	8
Carried Forward			R
Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<p><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, etc.</u></p> <p><u>Pinning board consisting of pinning material/carpet surface laminated to a soft board core, complete with beading all around with a natural anodised aluminium channel surround, and surround mitred at the corners</u></p>			
4/8/6	2400 x 1200mm high board (Colour: Light Grey), fixed to wall in strict accordance with manufacturer's recommendations	No	16	
	<p><u>Porcelain magnetic marker board, complete with anodised aluminium frame and slide-in aluminium pen tray</u></p>			
4/8/7	2000 x 1300mm high board (Colour: White), fixed to wall in strict accordance with manufacturer's recommendations	No	16	
	<p><u>SUNDRIES</u></p> <p><u>Approved</u></p>			
4/8/8	"CZ8730SC" Door stop or similarly approved to wall or floors	No	8	
	<p>Carried Forward to Summary of Section No.</p>			R
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p>			
	Carried Forward		R	
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R
<p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p> <p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p> <p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p> <p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p> <p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p> <p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p>			
Carried Forward			R
<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 9 Metalwork</p>		R	

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward				R
<u>WELDED SCREENS, GATES, ETC.</u>				
<u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u>				
4/9/1	Steel gate to door, size 914mm x 2032mm high	No	8	
<u>PRESSED STEEL DOOR FRAMES</u>				
<u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u>				
4/9/2	914 x 2032mm single door	No	8	
<u>WINDOWS FRAMES, etc.</u>				
<u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u>				
4/9/3	Window size 1143 x 1272mm high	No	76	
<u>MESH IN CEILING VOIDS</u>				
<u>304/VEM 320G expanded metal mesh size 1200mm x 2400mm manufactured in accordance with SANS 190-1:1983 fixed to 76 x 50mm timber purlins using 40x 0.5mm hat channels @ 400mm centres with 12 x 20mm tac screws.</u>				
4/9/4	In Ceiling voids	m2	456	
Carried Forward				R
Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 9 Metalwork				

	Brought Forward			R
	<p><u>STEEL COLUMNS AND BEAMS</u></p> <p><u>Welded columns and beams in single lengths with flat section bearer and connection plates bolted and welded to</u></p>			
4/9/5	76 x 76 x 3mm x 6.54kg/m Mild steel square tubing column	kg	560	
	Carried Forward to Summary of Section No.			R
	Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 9 Metalwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
4/10/1	30mm Thick on floors and landings	m2	481	
	<u>Granolithic screed on concrete, worked down to a true and even surface with a wood trowel</u>			
4/10/2	30mm Thick on floors	m2	121	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
4/10/3	On brick walls	m2	763	
4/10/4	On narrow widths	m2	76	
	Carried Forward			R
	Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 10 Plastering			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
4/10/5	<p><u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u></p> <p>Aluminium straight edge M-trim suitable for under-screed fixing in vinyl/ceramic, etc. installed as per manufactures recommendation and specification.</p>	m	6	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 10 Plastering</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p>			
	Carried Forward			R
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 11 Tiling</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No. 1, shall equally apply to this Bill.			
<u>Note</u>			
All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.			
<u>FLOOR TILING</u>			
<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>			
4/11/1	On floors	m2	481
4/11/2	75mm high skirting	m	252
<u>ATTIC STOCK</u>			
4/11/3	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	48
<u>SUNDRIES</u>			
<u>10mm aluminium straight edge trim</u>			
4/11/4	Dividing strip between tiles and door frames	m	6
Carried Forward to Summary of Section No.			R
Section No. 4			
2 CLASSROOM BLOCK X 4			
Bill No. 11			
Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 12 Plumbing and Drainage</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<p><u>Laying, backfilling, bedding, etc., of pipes:</u></p> <p>Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>RAINWATER GOODS</u></p> <p><u>Similar Approved</u></p> <p><u>Gutters</u></p>			
4/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	239	
4/12/2	Extra over eaves gutter for stopped end	No	32	
4/12/3	Extra over eaves gutter for corner	No	101	
4/12/4	Extra over eaves gutter for outlet	No	24	
	<u>Rainwater downpipes</u>			
4/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	83	
4/12/6	Extra over downpipe for offset	No	48	
4/12/7	Extra over downpipe for shoe	No	24	
	<u>SANITARY FITTINGS</u>			
	Refer to sanitary schedule drawing for full description of abbreviations			
	<u>FIRE FIGHTING EQUIPMENT</u>			
	Carried Forward			R
	<p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<u>Extinguishers including initial charge and setting up in position:</u>			
4/12/8	9kg dry chemical powder fire extinguisher	No	16	
4/12/9	Fire hose reel with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	16	
Carried Forward to Summary of Section No.				
Section No. 4				
2 CLASSROOM BLOCK X 4				
Bill No. 12				
Plumbing and Drainage				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 13</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Note:</u></p> <p>All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400</p> <p><u>GLASS TO STEEL WITH PUTTY</u></p> <p><u>5mm clear floated glass fixed glazing putty</u></p>			
4/13/1	<p>Panes exceeding 0.1m2 and not exceeding 0.5m2</p>	m2	110	
	<p>Carried Forward to Summary of Section No.</p> <p>Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 13 Glazing</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>FIBRE CEMENT</u>			
	<u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>			
4/14/1	On internal ceilings and cornices	m2	603	
4/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	239	
	<u>FLOATED PLASTER INTERNAL WALLS</u>			
	<u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>			
4/14/3	Plastered walls	m2	763	
	<u>METAL SURFACES</u>			
	Carried Forward			R
	Section No. 4 2 CLASSROOM BLOCK X 4 Bill No. 14 Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u>			
4/14/4	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	30
4/14/5	On window frames	m2	110
4/14/6	On door frames	m2	10
4/14/7	On mild steel columns, beams, etc	m2	26
4/14/8	On gutters	m	239
4/14/9	On downpipes	m	85
<u>WOOD</u>			
<u>Prepare and paint three coats clear varnish:</u>			
4/14/10	On door	m2	26
Carried Forward to Summary of Section No.			R
Section No. 4			
2 CLASSROOM BLOCK X 4			
Bill No. 14			
Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
4/1	Earthworks	4/3	
4/2	Concrete,Formwork and Reinforcement	4/7	
4/3	Masonry	4/10	
4/4	Waterproofing	4/11	
4/5	Roof Coverings	4/13	
4/6	Carpentry and Joinery	4/17	
4/7	Ceilings,Partitions and Access Flooring	4/20	
4/8	Ironmongery	4/23	
4/9	Metalwork	4/28	
4/10	Plastering	4/30	
4/11	Tiling	4/32	
4/12	Plumbing and Drainage	4/35	
4/13	Glazing	4/36	
4/14	Paintwork	4/38	
	Carried to Final Summary		R
	Section No. 4 2 CLASSROOM BLOCK X 4		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>SITE CLEARANCE ETC</u></p>			
	Carried Forward		R	
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 1 Earthworks</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Site clearance</u>		
5/1/1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	496
	<u>EXCAVATIONS</u>		
	<u>Excavation in earth not exceeding 2m deep</u>		
5/1/2	Trenches	m3	105
	<u>Extra over excavations in earth to trenches and holes for</u>		
5/1/3	Excavation in soft rock	m3	14
5/1/4	Excavation in hard rock	m3	7
	<u>CARTING AWAY OF EXCAVATED MATERIAL</u>		
	<u>Note:</u>		
	Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or , alternatively, from stock piles situated on the building site.		
5/1/5	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3	80
	<u>RISK OF COLLAPSE OF EXCAVATIONS</u>		
	<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>		
5/1/6	Trenches and holes	m2	441
	<u>Keeping excavations free of water</u>		
5/1/7	Keeping excavations free of water		Item
	<u>FILLING, ETC.</u>		
	Carried Forward		R
	Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 1 Earthworks		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
5/1/8	Backfilling to trenches, holes, etc	m3	68
5/1/9	Under floors, steps, pavings, etc	m3	265
<u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
5/1/10	Backfilling to trenches, holes, etc	m3	21
5/1/11	Under floors, steps, pavings, etc	m3	58
<u>Filling supplied by the Contractor under floors, trenches, etc.</u>			
5/1/12	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick	m3	58
<u>COMPACTION OF SURFACES</u>			
5/1/13	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density	m2	496
<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>			
<u>Protection against termites, ants, etc</u>			
5/1/14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	496
5/1/15	To bottom and sides of excavated trenches, Holes, etc.	m2	582
Carried Forward to Summary of Section No.			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p>			
	Carried Forward			R
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 2 Concrete, Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 2 Concrete, Formwork and Reinforcement</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No.1, shall equally apply to this Bill.			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15Mpa/19mm concrete</u>			
5/2/1	Blinding	m3	7
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>			
<u>25MPa/19mm Concrete</u>			
5/2/2	Strip footings	m3	35
<u>REINFORCED CONCRETE CAST IN FORMWORK</u>			
<u>20Mpa/19mm concrete</u>			
5/2/3	Concrete Apron cast to fall etc,	m3	11
<u>25MPa/19mm Concrete</u>			
5/2/4	Surface beds cast in panels	m3	50
<u>TEST BLOCKS</u>			
<u>Notes:</u>			
Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)			
5/2/5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	47
<u>SUNDRIES TO CONCRETE</u>			
Carried Forward			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 2 Concrete,Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Surface treatment</u>			
5/2/6	Power float top surface of concrete surface bed to a true and even level finish	m2	496
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
5/2/7	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	215
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Saw cuts Joints</u>			
5/2/8	3 x 30mm In saw cut joints in floors	m	51
<u>Expansion joints</u>			
5/2/9	10mm soft board or similar approved between concrete and brick wall	m	107
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>High and mild tensile steel reinforcement to structural concrete work</u>			
5/2/10	All diameter bars	t	3
<u>Fabric reinforcement:</u>			
5/2/11	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	388
Carried Forward to Summary of Section No.			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 2 Concrete,Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p>			
	Carried Forward		R	
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 3 Masonry</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
<u>BRICKWORK IN FOUNDATION</u>			
<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>			
5/3/1	One brick wall	m2	165
<u>SUPERSTRUCTURE BRICKWORK</u>			
<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>			
5/3/2	One brick wall	m2	490
5/3/3	Half brick wall	m2	97
5/3/4	Half brick wall, in beamfilling	m2	17
<u>Mass brickwork in regular piers of NFP brick in class II mortar laid in stretcher bond</u>			
5/3/5	360 x 230mm Brick Piers	m3	4
5/3/6	330 x 330mm Brick Piers	m3	6
<u>FACE BRICKWORK</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>			
5/3/7	Extra over brickwork for face brickwork in foundations (Provisional)	m2	331
Carried Forward			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 3 Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
5/3/8	Extra over brickwork for face brickwork in superstructure	m2	323
5/3/9	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	36
5/3/10	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	30
5/3/11	Extra over brickwork for face brickwork to piers	m2	120
5/3/12	Extra over brickwork for face brickwork in beamfilling	m2	17
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
5/3/13	75mm Wide reinforcement built in horizontally	m	285
5/3/14	150mm Wide reinforcement built in horizontally	m	2 463
<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>			
5/3/15	100 x 70mm Lintels in lengths not exceeding 3m	m	40
5/3/16	175 x 70mm Lintels in lengths not exceeding 3m	m	29
<u>Turning pieces</u>			
5/3/17	110mm Wide turning piece to flat brick lintels	m	51
<u>Air bricks etc</u>			
5/3/18	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	8
<u>Fair cutting to face brickwork</u>			
5/3/19	Fair raking cutting at gables	m	116
<u>Roof ties</u>			
5/3/20	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	96
Carried Forward			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 3 Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
5/4/1	Under walls	m2	4	
5/4/2	Under cills, etc.	m2	7	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
5/4/3	Under surface beds.	m2	496	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
5/4/4	3 x 30mm In saw cut joints in floors	m	51	
5/4/5	10mm Isolation Joints between surface bed concrete and brick wall	m	107	
	Carried Forward to Summary of Section No.			
	Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 4 Waterproofing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>ROOF SHEETING</u>			
	<u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u>			
5/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	549	
5/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	41	
5/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	31	
	<u>ROOF AND WALL INSULATION</u>			
	Carried Forward			
	Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 5 Roof Coverings			
			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R	
5/5/4	<p><u>Sisalation "Bubble Foil" aluminium foil banded insulation</u></p> <p>135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories</p>	m2	549		
	Carried Forward to Summary of Section No.			R	
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 5 Roof Coverings</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p>			
	Carried Forward		R	
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 6 Carpentry and Joinery</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Plate nailed timber roof truss construction</u>			
The following is applicable in respect of roof trusses:			
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.			
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.			
All joints to be close fitted butt joints.			
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.			
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.			
Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.			
<u>Roof trusses</u>			
5/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan)	m2	458
<u>Sawn softwood</u>			
5/6/2	38 x 114mm Wall plates	m	115
<u>Sundries</u>			
5/6/3	Two coats creosote on sawn timbers	m2	42
Carried Forward			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 6 Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>"Everite FC77" Fascia and badge boards</u>			
5/6/4	15 x 225mm Pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per architect's specification	m	116
5/6/5	15 x 80 x 300mm fibre cement barge board	m	116
<u>DOORS ETC</u>			
<u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u>			
5/6/6	813 x 2032mm single door	No	6
5/6/7	914 x 2032mm single door	No	19
<u>WINDOWS</u>			
<u>"Nutec" fibre cement window cills</u>			
5/6/8	150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations	m	30
Carried Forward to Summary of Section No.			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 6 Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p>			
	Carried Forward		R	
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p> <p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
5/7/1	2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails	m2	317	
	<p><u>CORNICES</u></p> <p><u>Similar Approved</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
5/7/2	75mm Coved cornice, plugged to brickwork	m	340	
	Carried Forward			R
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>SUNDRIES</u>			
	<u>Extra over for Trap Doors</u>			
5/7/3	Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	3	
	<u>CEILING INSULATION</u>			
	<u>Insulation</u>			
5/7/4	125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.	m2	317	
	Carried Forward to Summary of Section No.			
	Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward		R
<p><u>Finishes to ironmongery</u></p> <p>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 AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>Rates</u></p> <p>The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.</p> <p><u>DOOR FURNITURE</u></p> <p><u>Similar Approved</u></p> <p><u>Handles</u></p>		
5/8/1	SS 325 x 25mm straight tubular pull handle with flange fixing (Code: DPH301B) No	6
5/8/2	SS Pull handle BT fixed on a 75 x 170 x 1.2mm thick Grade 430 steel plate with no cylinder cutout, with steel plate to have 4 countersunk holes for screw fixing (Code: DHP-430-BL 75X170) No	6
5/8/3	SS Pull handle BT fixed on a 150 x 300 x 1.2mm thick Grade 430 steel plate with no cylinder cutout, with steel plate to have 6 countersunk holes for screw fixing (Code: DHP-430-BL 150X300) No	9
<u>Locks</u>		
5/8/4	SS Bathroom deadlock, with case size 102 x 78mm, with forend size 155 x 22mm, with 57mm backset (Code: D032D SS) No	9
Carried Forward		R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 8 Ironmongery		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
5/8/5	SS Cylinder deadlock, with case size 116.5 x 78mm, with forend size 168 x 22mm, with 57mm backset (Code: D037D SS)	No	9
5/8/6	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No	15
5/8/7	SC 150mm Cabin hook (Code: CH 150)	No	6
5/8/8	SS disabled WC indicator (red and white) and turnknob for the physically impaired (Code: DWC-006)	Sets	3.0
5/8/9	SS bathroom WC indicator (red and white) and turnknob (Code: DWC-005)	Sets	6.0
<u>Kick and push plates</u>			
5/8/10	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	48
5/8/11	SS 75 x 170 x 1.2mm thick Grade 430 steel plate, with steel plate to have 4 countersunk holes for screw fixing (Code: DPP-430-BL 75X170)	No	6
5/8/12	SS 150 x 300 x 1.2mm thick Grade 430 steel plate, with cylinder cutout right, with steel plate to have 6 countersunk holes for screw fixing (Code: DPP-430-CR 150X300)	No	9
<u>Signage</u>			
5/8/13	SS 150 x 150mm "DISABLED PERSONS" sign (Code: DSS-133 P)	No	3
<u>Panic hardware</u>			
5/8/14	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	6.0
5/8/15	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	6
Carried Forward			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Door closers</u>			
5/8/16	EN 2-4 parallel arm delayed action door closer, with push side fixing (parallel arm bracket included) EN 2 750-850, EN3 850-950, EN4 950-1100 (Colour: Silver) (Code: TS73V PA DC + parallel arm bracket)	No	3
5/8/17	Non hold open cam action slide channel door closer for 950mm maximum door width, with closing force EN 3, with hydraulic speed control, with pull-side door leaf fixing (standard) and push-side transom fixing (Colour: Silver) (Code: TS91B)	No	9
<u>Sundries</u>			
5/8/18	Male / Female fixing screws (Qty 4 per pack)	Sets	15.0
5/8/19	SS Hat and coat hook with rubber buffer (Code: DHC-SS-031B)	No	6
5/8/20	NP floor mounted Door stop (Code: DDS-NP-018)	No	12
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, etc.</u>			
<u>Pinning board consisting of pinning material/carpet surface laminated to a soft board core, complete with beading all around with a natural anodised aluminium channel surround, and surround mitred at the corners</u>			
5/8/21	2400 x 1200mm high board (Colour: Light Grey), fixed to wall in strict accordance with manufacturer's recommendations	No	3
<u>Porcelain magnetic marker board, complete with anodised aluminium frame and slide-in aluminium pen tray</u>			
5/8/22	2000 x 1300mm high board (Colour: White), fixed to wall in strict accordance with manufacturer's recommendations	No	6
<u>SUNDRIES</u>			
Carried Forward			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
5/8/23	<p><u>Approved</u></p> <p>"CZ8730SC" Door stop or similarly approved to wall or floors</p>	No	26	
<p>Carried Forward to Summary of Section No.</p> <p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 8 Ironmongery</p>				R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p>			
	Carried Forward		R	
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R
<p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p>			
<p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p>			
<p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p>			
<p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p>			
<p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p>			
<p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p>			
<p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p>			
Carried Forward			R
<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 9 Metalwork</p>		R	

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
<u>WELDED SCREENS, GATES, ETC.</u>			
<u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u>			
5/9/1	Steel gate to door, size 813mm x 2032mm high	No	6
<u>PRESSED STEEL DOOR FRAMES</u>			
<u>1.2mm thick Single rebated frame suitable for half brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u>			
5/9/2	813 x 2032mm single door	No	6
5/9/3	914 x 2032mm single door	No	9
<u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u>			
5/9/4	914 x 2032mm single door	No	10
<u>WINDOWS FRAMES, etc.</u>			
<u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u>			
5/9/5	Window size 881 x 1240mm high	No	18
5/9/6	Window size 881 x 820mm high	No	12
5/9/7	Window size 534 x 648mm high	No	6
Carried Forward to Summary of Section No.			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 9 Metalwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
5/10/1	30mm Thick on floors and landings	m2	260	
5/10/2	30mm Thick to falls and currents	m2	10	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
5/10/3	On brick walls	m2	744	
5/10/4	On narrow widths	m2	74	
	<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>			
5/10/5	Aluminium straight edge M-trim suitable for under-screed fixing in vinyl/ceramic, etc. installed as per manufactures recommendation and specification.	m	150	
	Carried Forward to Summary of Section No.			
	Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 10 Plastering			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p>			
	Carried Forward		R	
	<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 11 Tiling</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No. 1, shall equally apply to this Bill.			
<u>Note</u>			
All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.			
<u>WALL TILING</u>			
<u>150 x 150 x 6mm ceramic tiles (PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing white grout all as per manufacturers specifications</u>			
5/11/1	Splash backs	m2	1
<u>FLOOR TILING</u>			
<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>			
5/11/2	On floors	m2	270
5/11/3	75mm high skirting	m	234
<u>ATTIC STOCK</u>			
5/11/4	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	27
<u>SUNDRIES</u>			
<u>10mm aluminium straight edge trim</u>			
5/11/5	Dividing strip between tiles and door frames	m	6
Carried Forward to Summary of Section No.			R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 11 Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 12 Plumbing and Drainage</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<u>Laying, backfilling, bedding, etc., of pipes:</u>				
Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions				
<u>GENERAL NOTES TO TENDERERS</u>				
General notes, described in Bill No.1, shall equally apply to this Bill.				
<u>RAINWATER GOODS</u>				
<u>Gutters</u>				
5/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	116	
5/12/2	Extra over eaves gutter for stopped end	No	12	
5/12/3	Extra over eaves gutter for corner	No	50	
5/12/4	Extra over eaves gutter for outlet	No	12	
<u>Rainwater downpipes</u>				
5/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	42	
5/12/6	Extra over downpipe for offset	No	24	
5/12/7	Extra over downpipe for shoe	No	12	
<u>SANITARY FITTINGS</u>				
Refer to sanitary schedule drawing for full description of abbreviations				
<u>WASH HAND BASINS</u>				
Carried Forward				R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 12 Plumbing and Drainage				

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
5/12/8	<p><u>Vaal Sanitaryware "Hibiscus" vitreous china basin with three semi-punched holes tap holes, including integrated overflow, including chain stay hole through the centre semi-punched tap hole, supplied with plug and chain, hung to walls (PC allowance of R450.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u></p> <p>WHB, installed complete</p>	No	6
<u>WATER CLOSET</u>			
5/12/9	<p><u>Vaal Sanitaryware "Daisy" semi-close coupled water closet comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cistern complete with lid, fitments and flush pipe elbow (PC allowance of R2 800.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u></p> <p>WC, installed complete</p>	No	3
5/12/10	<p><u>Vaal Sanitaryware "Pearl Paraplegic" semi-close coupled water closet, comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cisten, including dog leg twice bent 45 degrees and straight cistern back grab rail, including purpose made chromium plated side-flush lever. (PC allowance of R9 300.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u></p> <p>Paraplegic WC, installed complete</p>	No	3
<u>SINKS, etc.</u>			
5/12/11	<p><u>Stainless steel single bowl sink, size 1350 x 457mm complete on and including integrated supports and legs (PC allowance of R1500.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u></p> <p>Stainless steel Sink, complete.</p>	No	3
<u>CHROME PLATED WASTE UNIONS, ETC. (Supply & Fit)</u>			
5/12/12	<p>32mm Basin waste union</p>	No	6
Carried Forward			R
<p>Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
5/12/13	38mm Sink waste union	No	3	
	<u>TOILET ROLL HOLDER</u>			
	<u>To be approved by Architect</u>			
5/12/14	130 x 560 x 130mm mild steel vandal proof Toilet paper roll holder (Colour: White), plugged and screwed to walls	No	3	
	<u>SOAP DISPENSER</u>			
	<u>To be approved by Architect</u>			
5/12/15	110 x 170 x 35mm high plastic Soap dispenser (Colour: White and transparent), with lever button and pump, plugged and screwed to wall	No	4	
	<u>PAPER TOWEL DISPENSER</u>			
	<u>To be approved by Architect</u>			
5/12/16	360 x 380 x 240mm high lockable auto-cut (reflex) plastic Paper towel dispenser (Colour: White), plugged and screwed to wall	No	4	
	<u>TAPS, VALVES, ETC</u>			
	<u>Similar Approved</u>			
5/12/17	15mm Cobra brass watertight hose Bib tap (Code: 108-15)	No	3	
5/12/18	15mm Cobra Watertech chrome plated single tap hole Sink mixer with overarm swivel sprout (Code: 3396ST)	No	3	
	<u>FIRE FIGHTING EQUIPMENT</u>			
	<u>Extinguishers including initial charge and setting up in position:</u>			
5/12/19	9kg dry chemical powder fire extinguisher	No	3	
Carried Forward				R
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 12 Plumbing and Drainage				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
5/12/20	Fire hose reel with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	3	
	<u>TESTING</u>			
5/12/21	Testing water pipe system		Item	
	<u>BUDGETARY ALLOWANCE</u>			
5/12/22	Allow an amount of R255 000.00 (Two Hundred and Fifty Five Thousand) for the supply and installation of Sanitary Fitting Sundries		Item	255 000.00
Carried Forward to Summary of Section No.				
Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 12 Plumbing and Drainage				R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>Note:</u>			
	All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400			
	<u>GLASS TO STEEL WITH PUTTY</u>			
	<u>5mm clear floated glass fixed glazing putty</u>			
5/13/1	Panes not exceeding 0.1m2	m2	28	
	<u>6mm obscure floated glass fixed glazing putty</u>			
5/13/2	Panes not exceeding 0.1m2	m2	2	
	<u>TOPS, SHELVES, DOORS, MIRROR ETC</u>			
	<u>6mm Polished plate float glass mirrors with square polished edges plugged with chrome plated detachable screws or similarly approved</u>			
5/13/3	Mirror 400 x 600 mm high	No	3	
	Carried Forward to Summary of Section No.			
	Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 13 Glazing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>FIBRE CEMENT</u>			
	<u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>			
5/14/1	On internal ceilings and cornices	m2	345	
5/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	232	
	<u>Prepare and apply one coat alkali resistant sealer and two coats mat enamel paint, colour to be confirmed by architect</u>			
5/14/3	Fiber cement window sill not exceeding 300mm high or wide	m	30	
	<u>FLOATED PLASTER INTERNAL WALLS</u>			
	Carried Forward			R
	Section No. 5 3 CLASSROOM GRADE R BLOCK Bill No. 14 Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>		
5/14/4	Plastered walls	m2	744
	<u>METAL SURFACES</u>		
	<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u>		
5/14/5	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	28
5/14/6	On window frames	m2	30
5/14/7	On door frames	m2	32
5/14/8	On gutters	m	116
5/14/9	On downpipes	m	43
	<u>WOOD</u>		
	<u>Prepare and apply one coat universal undercoat and two coats acrylic PVA, colour to be confirmed by architect</u>		
5/14/10	On door	m2	60
	<u>Prepare and paint three coats clear varnish:</u>		
5/14/11	On door	m2	25
Carried Forward to Summary of Section No.			R
Section No. 5			
3 CLASSROOM GRADE R BLOCK			
Bill No. 14			
Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
5/1	Earthworks	5/3	
5/2	Concrete,Formwork and Reinforcement	5/7	
5/3	Masonry	5/11	
5/4	Waterproofing	5/12	
5/5	Roof Coverings	5/14	
5/6	Carpentry and Joinery	5/18	
5/7	Ceilings,Partitions and Access Flooring	5/21	
5/8	Ironmongery	5/26	
5/9	Metalwork	5/30	
5/10	Plastering	5/31	
5/11	Tiling	5/33	
5/12	Plumbing and Drainage	5/38	
5/13	Glazing	5/39	
5/14	Paintwork	5/41	
	Carried to Final Summary		R
	Section No. 5 3 CLASSROOM GRADE R BLOCK		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>SITE CLEARANCE ETC</u></p>			
	Carried Forward		R	
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 1 Earthworks</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Site clearance</u>			
6/1/1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	366
<u>EXCAVATIONS</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
6/1/2	Trenches	m3	94
<u>Extra over excavations in earth to trenches and holes for</u>			
6/1/3	Excavation in soft rock	m3	9
6/1/4	Excavation in hard rock	m3	5
<u>CARTING AWAY OF EXCAVATED MATERIAL</u>			
<u>Note:</u>			
Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or , alternatively, from stock piles situated on the building site.			
6/1/5	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3	54
<u>RISK OF COLLAPSE OF EXCAVATIONS</u>			
<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>			
6/1/6	Trenches and holes	m2	294
<u>Keeping excavations free of water</u>			
6/1/7	Keeping excavations free of water		Item
<u>FILLING, ETC.</u>			
Carried Forward			R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
6/1/8	Backfilling to trenches, holes, etc	m3	45
6/1/9	Under floors, steps, pavings, etc	m3	177
<u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
6/1/10	Backfilling to trenches, holes, etc	m3	14
6/1/11	Under floors, steps, pavings, etc	m3	39
<u>Filling supplied by the Contractor under floors, trenches, etc.</u>			
6/1/12	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick	m3	39
<u>COMPACTION OF SURFACES</u>			
6/1/13	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density	m2	330
<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>			
<u>Protection against termites, ants, etc</u>			
6/1/14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	330
6/1/15	To bottom and sides of excavated trenches, Holes, etc.	m2	388
Carried Forward to Summary of Section No.			R
Section No. 6			
2 GRADE R CLASSROOM BLOCK			
Bill No. 1			
Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p>			
	Carried Forward			R
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 2 Concrete, Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 2 Concrete, Formwork and Reinforcement</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No.1, shall equally apply to this Bill.			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15Mpa/19mm concrete</u>			
6/2/1	Blinding	m3	5
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>			
<u>25MPa/19mm Concrete</u>			
6/2/2	Strip footings	m3	23
<u>REINFORCED CONCRETE CAST IN FORMWORK</u>			
<u>20Mpa/19mm concrete</u>			
6/2/3	Concrete Apron cast to fall etc,	m3	7
<u>25MPa/19mm Concrete</u>			
6/2/4	Surface beds cast in panels	m3	34
<u>TEST BLOCKS</u>			
<u>Notes:</u>			
Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)			
6/2/5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	31
<u>SUNDRIES TO CONCRETE</u>			
Carried Forward			R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 2 Concrete,Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Surface treatment</u>			
6/2/6	Power float top surface of concrete surface bed to a true and even level finish	m2	330
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
6/2/7	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	143
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Saw cuts Joints</u>			
6/2/8	3 x 30mm In saw cut joints in floors	m	34
<u>Expansion joints</u>			
6/2/9	10mm soft board or similar approved between concrete and brick wall	m	72
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>High and mild tensile steel reinforcement to structural concrete work</u>			
6/2/10	All diameter bars	t	2
<u>Fabric reinforcement:</u>			
6/2/11	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	259
Carried Forward to Summary of Section No.			R
Section No. 6			
2 GRADE R CLASSROOM BLOCK			
Bill No. 2			
Concrete,Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p>			
	Carried Forward		R	
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 3 Masonry</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
<u>BRICKWORK IN FOUNDATION</u>			
<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>			
6/3/1	One brick wall	m2	110
<u>SUPERSTRUCTURE BRICKWORK</u>			
<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>			
6/3/2	One brick wall	m2	327
6/3/3	Half brick wall	m2	65
6/3/4	Half brick wall, in beamfilling	m2	11
<u>Mass brickwork in regular piers of NFP brick in class II mortar laid in stretcher bond</u>			
6/3/5	360 x 230mm Brick Piers	m3	2
6/3/6	330 x 330mm Brick Piers	m3	4
<u>FACE BRICKWORK</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>			
6/3/7	Extra over brickwork for face brickwork in foundations (Provisional)	m2	220
Carried Forward			R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 3 Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
6/3/8	Extra over brickwork for face brickwork in superstructure	m2	215	
6/3/9	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	24	
6/3/10	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	20	
6/3/11	Extra over brickwork for face brickwork to piers	m2	80	
6/3/12	Extra over brickwork for face brickwork in beamfilling	m2	11	
<u>BRICKWORK SUNDRIES</u>				
<u>Brickwork reinforcement</u>				
6/3/13	75mm Wide reinforcement built in horizontally	m	190	
6/3/14	150mm Wide reinforcement built in horizontally.	m	1 642	
<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>				
6/3/15	100 x 70mm Lintels in lengths not exceeding 3m	m	27	
6/3/16	175 x 70mm Lintels in lengths not exceeding 3m	m	19	
<u>Turning pieces</u>				
6/3/17	110mm Wide turning piece to flat brick lintels	m	34	
<u>Air bricks etc</u>				
6/3/18	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	5	
<u>Fair cutting to face brickwork</u>				
6/3/19	Fair raking cutting at gables	m	77	
<u>Roof ties</u>				
6/3/20	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	64	
Carried Forward				R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 3 Masonry				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
6/4/1	Under walls	m2	3	
6/4/2	Under cills, etc.	m2	4	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
6/4/3	Under surface beds.	m2	330	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
6/4/4	3 x 30mm In saw cut joints in floors	m	34	
6/4/5	10mm Isolation Joints between surface bed concrete and brick wall	m	72	
	Carried Forward to Summary of Section No.			
	Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 4 Waterproofing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>ROOF SHEETING</u>			
	<u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u>			
6/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	366	
6/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	28	
6/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	21	
	<u>ROOF AND WALL INSULATION</u>			
	Carried Forward			
	Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 5 Roof Coverings			
			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R	
6/5/4	<p><u>Sisalation "Bubble Foil" aluminium foil banded insulation</u></p> <p>135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories</p>	m2	366		
	Carried Forward to Summary of Section No.			R	
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 5 Roof Coverings</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p>			
	Carried Forward		R	
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 6 Carpentry and Joinery</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<u>Plate nailed timber roof truss construction</u>				
The following is applicable in respect of roof trusses:				
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.				
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.				
All joints to be close fitted butt joints.				
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.				
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.				
Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.				
<u>Roof trusses</u>				
6/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan)	m2	305	
<u>Sawn softwood</u>				
6/6/2	38 x 114mm Wall plates	m	76	
<u>Sundries</u>				
6/6/3	Two coats creosote on sawn timbers	m2	28	
Carried Forward				R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 6 Carpentry and Joinery				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<u>"Everite FC77" Fascia and badge boards</u>				
6/6/4	15 x 225mm Pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per architect's specification	m	77	
6/6/5	15 x 80 x 300mm fibre cement barge board	m	77	
<u>DOORS ETC</u>				
<u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u>				
6/6/6	813 x 2032mm single door	No	4	
6/6/7	914 x 2032mm single door	No	13	
<u>WINDOWS</u>				
<u>"Nutec" fibre cement window cills</u>				
6/6/8	150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations	m	20	
Carried Forward to Summary of Section No.				
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 6 Carpentry and Joinery				R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p>			
	Carried Forward		R	
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p> <p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
6/7/1	2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails	m2	211	
	<p><u>CORNICES</u></p> <p><u>Similar Approved</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
6/7/2	75mm Coved cornice, plugged to brickwork	m	226	
	Carried Forward			R
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>SUNDRIES</u>			
	<u>Extra over for Trap Doors</u>			
6/7/3	Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	2	
	<u>CEILING INSULATION</u>			
	<u>Insulation</u>			
6/7/4	125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.	m2	211	
	Carried Forward to Summary of Section No.			
	Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward		R
<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		
AN Anodised natural		
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>Rates</u>		
The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.		
<u>DOOR FURNITURE</u>		
<u>Similar Approved</u>		
<u>Handles</u>		
6/8/1	SS 325 x 25mm straight tubular pull handle with flange fixing (Code: DPH301B) No	4
6/8/2	SS Pull handle BT fixed on a 75 x 170 x 1.2mm thick Grade 430 steel plate with no cylinder cutout, with steel plate to have 4 countersunk holes for screw fixing (Code: DHP-430-BL 75X170) No	4
6/8/3	SS Pull handle BT fixed on a 150 x 300 x 1.2mm thick Grade 430 steel plate with no cylinder cutout, with steel plate to have 6 countersunk holes for screw fixing (Code: DHP-430-BL 150X300) No	6
<u>Locks</u>		
6/8/4	SS Bathroom deadlock, with case size 102 x 78mm, with forend size 155 x 22mm, with 57mm backset (Code: D032D SS) No	6
Carried Forward		R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 8 Ironmongery		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
6/8/5	SS Cylinder deadlock, with case size 116.5 x 78mm, with forend size 168 x 22mm, with 57mm backset (Code: D037D SS)	No	6	
6/8/6	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No	10	
6/8/7	SC 150mm Cabin hook (Code: CH 150)	No	4	
6/8/8	SS disabled WC indicator (red and white) and turnknob for the physically impaired (Code: DWC-006)	Sets	2.0	
6/8/9	SS bathroom WC indicator (red and white) and turnknob (Code: DWC-005)	Sets	4.0	
<u>Kick and push plates</u>				
6/8/10	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	32	
6/8/11	SS 75 x 170 x 1.2mm thick Grade 430 steel plate, with steel plate to have 4 countersunk holes for screw fixing (Code: DPP-430-BL 75X170)	No	4	
6/8/12	SS 150 x 300 x 1.2mm thick Grade 430 steel plate, with cylinder cutout right, with steel plate to have 6 countersunk holes for screw fixing (Code: DPP-430-CR 150X300)	No	6	
<u>Signage</u>				
6/8/13	SS 150 x 150mm "DISABLED PERSONS" sign (Code: DSS-133 P)	No	2	
<u>Panic hardware</u>				
6/8/14	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	4.0	
6/8/15	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	4	
Carried Forward				R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 8 Ironmongery				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Door closers</u>			
6/8/16	EN 2-4 parallel arm delayed action door closer, with push side fixing (parallel arm bracket included) EN 2 750-850, EN3 850-950, EN4 950-1100 (Colour: Silver) (Code: TS73V PA DC + parallel arm bracket)	No	2
6/8/17	Non hold open cam action slide channel door closer for 950mm maximum door width, with closing force EN 3, with hydraulic speed control, with pull-side door leaf fixing (standard) and push-side transom fixing (Colour: Silver) (Code: TS91B)	No	6
<u>Sundries</u>			
6/8/18	Male / Female fixing screws (Qty 4 per pack)	Sets	10.0
6/8/19	SS Hat and coat hook with rubber buffer (Code: DHC-SS-031B)	No	4
6/8/20	NP floor mounted Door stop (Code: DDS-NP-018)	No	8
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, etc.</u>			
<u>Pinning board consisting of pinning material/carpet surface laminated to a soft board core, complete with beading all around with a natural anodised aluminium channel surround, and surround mitred at the corners</u>			
6/8/21	2400 x 1200mm high board (Colour: Light Grey), fixed to wall in strict accordance with manufacturer's recommendations	No	2
<u>Porcelain magnetic marker board, complete with anodised aluminium frame and slide-in aluminium pen tray</u>			
6/8/22	2000 x 1300mm high board (Colour: White), fixed to wall in strict accordance with manufacturer's recommendations	No	4
<u>SUNDRIES</u>			
Carried Forward			R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
6/8/23	<p><u>Approved</u></p> <p>"CZ8730SC" Door stop or similarly approved to wall or floors</p>	No	17	
	Carried Forward to Summary of Section No.			R
	Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p>			
	Carried Forward		R	
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R
<p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p> <p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p> <p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p> <p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p> <p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p> <p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p>			
	Carried Forward		R
<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 9 Metalwork</p>		R	

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
<u>WELDED SCREENS, GATES, ETC.</u>			
<u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u>			
6/9/1	Steel gate to door, size 914mm x 2032mm high	No	5
<u>PRESSED STEEL DOOR FRAMES</u>			
<u>1.2mm thick Single rebated frame suitable for half brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u>			
6/9/2	813 x 2032mm single door	No	4
6/9/3	914 x 2032mm single door	No	6
<u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u>			
6/9/4	914 x 2032mm single door	No	7
<u>WINDOWS FRAMES, etc.</u>			
<u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u>			
6/9/5	Window size 881 x 1240mm high	No	12
6/9/6	Window size 881 x 820mm high	No	8
6/9/7	Window size 534 x 648mm high	No	4
Carried Forward to Summary of Section No.			R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 9 Metalwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
6/10/1	30mm Thick on floors and landings	m2	174	
6/10/2	30mm Thick to falls and currents	m2	7	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
6/10/3	On brick walls	m2	496	
6/10/4	On narrow widths	m2	50	
	<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>			
6/10/5	Aluminium straight edge M-trim suitable for under-screed fixing in vinyl/ceramic, etc. installed as per manufactures recommendation and specification.	m	100	
	Carried Forward to Summary of Section No.			
	Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 10 Plastering			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p>			
	Carried Forward		R	
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 11 Tiling</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No. 1, shall equally apply to this Bill.			
<u>Note</u>			
All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.			
<u>WALL TILING</u>			
<u>150 x 150 x 6mm ceramic tiles (PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing white grout all as per manufacturers specifications</u>			
6/11/1	Splash backs	m2	1
<u>FLOOR TILING</u>			
<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>			
6/11/2	On floors	m2	180
6/11/3	75mm high skirting	m	156
<u>ATTIC STOCK</u>			
6/11/4	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	18
<u>SUNDRIES</u>			
<u>10mm aluminium straight edge trim</u>			
6/11/5	Dividing strip between tiles and door frames	m	4
Carried Forward to Summary of Section No.			R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 11 Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p>			
	Carried Forward		R	
	<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<u>Laying, backfilling, bedding, etc., of pipes:</u>				
Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions				
<u>GENERAL NOTES TO TENDERERS</u>				
General notes, described in Bill No.1, shall equally apply to this Bill.				
<u>RAINWATER GOODS</u>				
<u>Gutters</u>				
6/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	77	
6/12/2	Extra over eaves gutter for stopped end	No	8	
6/12/3	Extra over eaves gutter for corner	No	33	
6/12/4	Extra over eaves gutter for outlet	No	8	
<u>Rainwater downpipes</u>				
6/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	28	
6/12/6	Extra over downpipe for offset	No	16	
6/12/7	Extra over downpipe for shoe	No	8	
<u>SANITARY FITTINGS</u>				
Refer to sanitary schedule drawing for full description of abbreviations				
<u>WASH HAND BASINS</u>				
Carried Forward				R
Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 12 Plumbing and Drainage				

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
6/12/8	<p><u>Vaal Sanitaryware "Hibiscus" vitreous china basin with three semi-punched holes tap holes, including integrated overflow, including chain stay hole through the centre semi-punched tap hole, supplied with plug and chain, hung to walls (PC allowance of R450.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u></p> <p>WHB, installed complete</p>	No	4
<u>WATER CLOSET</u>			
6/12/9	<p><u>Vaal Sanitaryware "Daisy" semi-close coupled water closet comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cistern complete with lid, fitments and flush pipe elbow (PC allowance of R2 800.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u></p> <p>WC, installed complete</p>	No	2
6/12/10	<p><u>Vaal Sanitaryware "Pearl Paraplegic" semi-close coupled water closet, comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cisten, including dog leg twice bent 45 degrees and straight cistern back grab rail, including purpose made chromium plated side-flush lever. (PC allowance of R9 300.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u></p> <p>Paraplegic WC, installed complete</p>	No	2
<u>SINKS, etc.</u>			
6/12/11	<p><u>Stainless steel single bowl sink, size 1350 x 457mm complete on and including integrated supports and legs (PC allowance of R1500.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u></p> <p>Stainless steel Sink, complete.</p>	No	2
<u>CHROME PLATED WASTE UNIONS, ETC. (Supply & Fit)</u>			
6/12/12	<p>32mm Basin waste union</p>	No	4
Carried Forward			R
<p>Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
6/12/13	38mm Sink waste union	No	2	
	<u>TOILET ROLL HOLDER</u>			
	<u>To be approved by Architect</u>			
6/12/14	130 x 560 x 130mm mild steel vandal proof Toilet paper roll holder (Colour: White), plugged and screwed to walls	No	2	
	<u>SOAP DISPENSER</u>			
	<u>To be approved by Architect</u>			
6/12/15	110 x 170 x 35mm high plastic Soap dispenser (Colour: White and transparent), with lever button and pump, plugged and screwed to wall	No	3	
	<u>PAPER TOWEL DISPENSER</u>			
	<u>To be approved by Architect</u>			
6/12/16	360 x 380 x 240mm high lockable auto-cut (reflex) plastic Paper towel dispenser (Colour: White), plugged and screwed to wall	No	2	
	<u>TAPS, VALVES, ETC</u>			
	<u>Similar Approved</u>			
6/12/17	15mm Cobra brass watertight hose Bib tap (Code: 108-15)	No	2	
6/12/18	15mm Cobra Watertech chrome plated single tap hole Sink mixer with overarm swivel sprout (Code: 3396ST)	No	2	
	<u>FIRE FIGHTING EQUIPMENT</u>			
	<u>Extinguishers including initial charge and setting up in position:</u>			
6/12/19	9kg dry chemical powder fire extinguisher	No	2	
	Carried Forward			R
	Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 12 Plumbing and Drainage			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
6/12/20	Fire hose reel with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2	
	<u>TESTING</u>			
6/12/21	Testing water pipe system		Item	
	<u>BUDGETARY ALLOWANCE</u>			
6/12/22	Allow an amount of R170 000.00 (One Hundred and Seventy Thousand) for the supply and installation of Sanitary Fitting Sundries		Item	170 000.00
Carried Forward to Summary of Section No.				
Section No. 6				
2 GRADE R CLASSROOM BLOCK				
Bill No. 12				
Plumbing and Drainage				
				R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>Note:</u>			
	All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400			
	<u>GLASS TO STEEL WITH PUTTY</u>			
	<u>5mm clear floated glass fixed glazing putty</u>			
6/13/1	Panes not exceeding 0.1m2	m2	19	
	<u>6mm obscure floated glass fixed glazing putty</u>			
6/13/2	Panes not exceeding 0.1m2	m2	1	
	<u>TOPS, SHELVES, DOORS, MIRROR ETC</u>			
	<u>6mm Polished plate float glass mirrors with square polished edges plugged with chrome plated detachable screws or similarly approved</u>			
6/13/3	Mirror 400 x 600 mm high	No	2	
	Carried Forward to Summary of Section No.			
	Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 13 Glazing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>FIBRE CEMENT</u>			
	<u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>			
6/14/1	On internal ceilings and cornices	m2	230	
6/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	155	
	<u>Prepare and apply one coat alkali resistant sealer and two coats mat enamel paint, colour to be confirmed by architect</u>			
6/14/3	Fiber cement window sill not exceeding 300mm high or wide	m	20	
	<u>FLOATED PLASTER INTERNAL WALLS</u>			
	Carried Forward			R
	Section No. 6 2 GRADE R CLASSROOM BLOCK Bill No. 14 Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>		
6/14/4	Plastered walls	m2	496
	<u>METAL SURFACES</u>		
	<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u>		
6/14/5	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	19
6/14/6	On window frames	m2	20
6/14/7	On door frames	m2	22
6/14/8	On gutters	m	77
6/14/9	On downpipes	m	28
	<u>WOOD</u>		
	<u>Prepare and apply one coat universal undercoat and two coats acrylic PVA, colour to be confirmed by architect</u>		
6/14/10	On door	m2	40
	<u>Prepare and paint three coats clear varnish:</u>		
6/14/11	On door	m2	16
Carried Forward to Summary of Section No.			R
Section No. 6			
2 GRADE R CLASSROOM BLOCK			
Bill No. 14			
Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
6/1	Earthworks	6/3	
6/2	Concrete,Formwork and Reinforcement	6/7	
6/3	Masonry	6/11	
6/4	Waterproofing	6/12	
6/5	Roof Coverings	6/14	
6/6	Carpentry and Joinery	6/18	
6/7	Ceilings,Partitions and Access Flooring	6/21	
6/8	Ironmongery	6/26	
6/9	Metalwork	6/30	
6/10	Plastering	6/31	
6/11	Tiling	6/33	
6/12	Plumbing and Drainage	6/38	
6/13	Glazing	6/39	
6/14	Paintwork	6/41	
Carried to Final Summary			
Section No. 6 2 GRADE R CLASSROOM BLOCK			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 7</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>SITE CLEARANCE ETC</u></p>			
	Carried Forward		R	
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 1 Earthworks</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>		
7/1/8	Trenches and holes	m2	233
	<u>Keeping excavations free of water</u>		
7/1/9	Keeping excavations free of water		Item
	<u>FILLING, ETC.</u>		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>		
7/1/10	Backfilling to trenches, holes, etc	m3	27
7/1/11	Under floors, steps, pavings, etc	m3	68
	<u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>		
7/1/12	Backfilling to trenches, holes, etc	m3	8
7/1/13	Under floors, steps, pavings, etc	m3	10
	<u>Filling supplied by the Contractor under floors, trenches, etc.</u>		
7/1/14	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick	m3	12
	<u>COMPACTION OF SURFACES</u>		
7/1/15	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density	m2	177
	<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>		
	Carried Forward		R
Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<u>Protection against termites, ants, etc</u>				
7/1/16	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	148	
7/1/17	To bottom and sides of excavated trenches, Holes, etc.	m2	317	
Carried Forward to Summary of Section No.				R
Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 1 Earthworks				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p>			
	Carried Forward			R
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 2 Concrete, Formwork and Reinforcement</p>			

<p style="text-align: center;">Brought Forward</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 2 Concrete, Formwork and Reinforcement</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<u>GENERAL NOTES TO TENDERERS</u>				
General notes, described in Bill No.1, shall equally apply to this Bill.				
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>15Mpa/19mm concrete</u>				
7/2/1	Blinding	m3	3	
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>				
<u>25MPa/19mm Concrete</u>				
7/2/2	Strip footings	m3	13	
<u>REINFORCED CONCRETE CAST IN FORMWORK</u>				
<u>20Mpa/19mm concrete</u>				
7/2/3	Concrete Apron cast to fall etc,	m3	7	
<u>25MPa/19mm Concrete</u>				
7/2/4	Surface beds cast in panels	m3	12	
7/2/5	Slabs including beams and inverted beams	m3	3	
<u>TEST BLOCKS</u>				
<u>Notes:</u>				
Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)				
7/2/6	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	16	
<u>SUNDRIES TO CONCRETE</u>				
Carried Forward				R
Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 2 Concrete,Formwork and Reinforcement				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Surface treatment</u>			
7/2/7	Power float top surface of concrete surface bed to a true and even level finish	m2	179
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
7/2/8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	208
<u>Rough formwork to soffits</u>			
7/2/9	Flat slabs not exceeding 250mm thick, propped up not exceeding 3,5m high from bearing level	m2	31
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Expansion joints</u>			
7/2/10	10mm soft board or similar approved between concrete and brick wall	m	101
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>High and mild tensile steel reinforcement to structural concrete work</u>			
7/2/11	All diameter bars	t	1
<u>Fabric reinforcement:</u>			
7/2/12	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	81
Carried Forward to Summary of Section No.			R
Section No. 7			
4 SEATER ENVIROLOO TOILET BLOCK X 3			
Bill No. 2			
Concrete,Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p>			
	Carried Forward		R	
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 3 Masonry</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
	<u>BRICKWORK IN FOUNDATION</u>			
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>			
7/3/1	One brick wall	m2	58	
	<u>SUPERSTRUCTURE BRICKWORK</u>			
	<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>			
7/3/2	One brick wall	m2	312	
7/3/3	Half brick wall	m2	33	
7/3/4	Half brick wall, in beamfilling	m2	18	
	<u>Mass brickwork in regular piers of NFP brick in class II mortar laid in stretcher bond</u>			
7/3/5	340 x 230mm Brick Piers	m3	1	
7/3/6	360 x 230mm Brick Piers	m3	1	
	<u>FACE BRICKWORK</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>			
7/3/7	Extra over brickwork for face brickwork in foundations (Provisional)	m2	115	
	Carried Forward			R
	Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 3 Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
7/3/8	Extra over brickwork for face brickwork in superstructure	m2	257	
7/3/9	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	11	
7/3/10	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	6	
7/3/11	Extra over brickwork for face brickwork to piers	m2	40	
7/3/12	Extra over brickwork for face brickwork in beamfilling	m2	18	
<u>BRICKWORK SUNDRIES</u>				
<u>Brickwork reinforcement</u>				
7/3/13	75mm Wide reinforcement built in horizontally	m	98	
7/3/14	150mm Wide reinforcement built in horizontally.	m	1 267	
<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>				
7/3/15	100 x 70mm Lintels in lengths not exceeding 3m	m	10	
7/3/16	175 x 70mm Lintels in lengths not exceeding 3m	m	35	
<u>Turning pieces</u>				
7/3/17	110mm Wide turning piece to flat brick lintels	m	32	
<u>Air bricks etc</u>				
7/3/18	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	6	
<u>Roof ties</u>				
7/3/19	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	58	
<u>MOVEMENTS JOINTS ETC,</u>				
Carried Forward				R
Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 3 Masonry				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
7/3/20	<p><u>Expansion joints</u></p> <p>30mm softboard between vertical brick surfaces not exceeding 300mm wide</p>	m2	11	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 3 Masonry</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
7/4/1	Under walls	m2	4	
7/4/2	Under cills, etc.	m2	1	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
7/4/3	Under surface beds.	m2	148	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
7/4/4	10mm Isolation Joints between surface bed concrete and brick wall	m	101	
	Carried Forward to Summary of Section No.			
	Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 4 Waterproofing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>ROOF SHEETING</u>			
	<u>Similar Approved</u>			
	<u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u>			
7/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	121	
7/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	17	
7/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	30	
	<u>ROOF AND WALL INSULATION</u>			
	<u>Similar Approved</u>			
	Carried Forward			R
	Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 5 Roof Coverings			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R	
7/5/4	<p><u>Sisalation "Bubble Foil" aluminium foil banded insulation</u></p> <p>135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories</p>	m2	121		
	Carried Forward to Summary of Section No.			R	
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 5 Roof Coverings</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 6 Carpentry and Joinery</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 6 Carpentry and Joinery</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Plate nailed timber roof truss construction</u>			
The following is applicable in respect of roof trusses:			
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.			
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.			
All joints to be close fitted butt joints.			
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.			
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.			
Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.			
<u>Roof trusses</u>			
7/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan)	m2	101
<u>Sawn softwood</u>			
7/6/2	38 x 114mm Wall plates	m	70
<u>Sundries</u>			
7/6/3	Two coats creosote on sawn timbers	m2	26
<u>Similar Approved</u>			
Carried Forward			R
Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 6 Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<u>"Everite FC77" Fascia and badge boards</u>			
7/6/4	15 x 225mm Pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per architect's specification	m	69	
	<u>DOORS ETC</u>			
	<u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u>			
7/6/5	813 x 2032mm single door	No	12	
7/6/6	914 x 2032mm single door	No	6	
	<u>WINDOWS</u>			
	<u>Similar Approved</u>			
	<u>"Nutec" fibre cement window cills</u>			
7/6/7	150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations	m	6	
Carried Forward to Summary of Section No.				R
Section No. 7				
4 SEATER ENVIROLOO TOILET BLOCK X 3				
Bill No. 6				
Carpentry and Joinery				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p>			
	Carried Forward		R	
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p> <p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
7/7/1	2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails	m2	51	
	<p><u>CORNICES</u></p> <p><u>Similar Approved</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
7/7/2	75mm Coved cornice, plugged to brickwork	m	114	
	Carried Forward			R
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<u>SUNDRIES</u>			
	<u>Extra over for Trap Doors</u>			
7/7/3	Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	10	
	<u>CEILING INSULATION</u>			
	<u>Insulation</u>			
7/7/4	125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.	m2	51	
	Carried Forward to Summary of Section No.			
	Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 7 Ceilings,Partitions and Access Flooring			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<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				
AN Anodised natural				
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>Rates</u>				
The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.				
<u>DOOR FURNITURE</u>				
<u>Similar Approved</u>				
<u>Handles</u>				
7/8/1	SS Pull handle BT fixed on a 75 x 170 x 1.2mm thick Grade 430 steel plate with no cylinder cutout, with steel plate to have 4 countersunk holes for screw fixing (Code: DHP-430-BL 75X170)	No	12	
<u>Locks</u>				
7/8/2	SS Bathroom deadlock, with case size 102 x 78mm, with forend size 155 x 22mm, with 57mm backset (Code: D032D SS)	No	12	
7/8/3	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No	6	
7/8/4	SC 150mm Cabin hook (Code: CH 150)	No	6	
7/8/5	SS bathroom WC indicator (red and white) and turnknob (Code: DWC-005)	Sets	12.0	
Carried Forward				R
Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 8 Ironmongery				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Kick and push plates</u>			
7/8/6	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	36
7/8/7	SS 75 x 170 x 1.2mm thick Grade 430 steel plate, with steel plate to have 4 countersunk holes for screw fixing (Code: DPP-430-BL 75X170)	No	12
<u>Panic hardware</u>			
7/8/8	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	6.0
7/8/9	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	6
<u>Sundries</u>			
7/8/10	Male / Female fixing screws (Qty 4 per pack)	Sets	12.0
7/8/11	SS Hat and coat hook with rubber buffer (Code: DHC-SS-031B)	No	12
Carried Forward to Summary of Section No.			R
Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p>			
	Carried Forward		R	
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R
<p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p>			
<p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p>			
<p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p>			
<p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p>			
<p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p>			
<p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p>			
<p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p>			
Carried Forward			R
<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 9 Metalwork</p>		R	

Brought Forward			R
<u>WELDED SCREENS, GATES, ETC.</u>			
<u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u>			
7/9/1	Steel gate to door, size 914mm x 2032mm high	No	6
<u>PRESSED STEEL DOOR FRAMES</u>			
<u>1.2mm thick Single rebated frame suitable for half brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u>			
7/9/2	813 x 2032mm single door	No	12
<u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u>			
7/9/3	914 x 2032mm single door	No	6
<u>WINDOWS FRAMES, etc.</u>			
<u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u>			
7/9/4	Window size 533 x 950mm high	No	12
Carried Forward to Summary of Section No.			R
Section No. 7			
4 SEATER ENVIROLOO TOILET BLOCK X 3			
Bill No. 9			
Metalwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
7/10/1	30mm Thick on floors and landings	m2	80	
7/10/2	30mm Thick to falls and currents	m2	8	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
7/10/3	On brick walls	m2	281	
7/10/4	On narrow widths	m2	28	
	<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>			
7/10/5	Aluminium straight edge M-trim suitable for under-screed fixing in vinyl/ceramic, etc. installed as per manufactures recommendation and specification.	m	5	
	Carried Forward to Summary of Section No.			
	Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 10 Plastering			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p>			
	Carried Forward		R	
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 11 Tiling</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No. 1, shall equally apply to this Bill.			
<u>Note</u>			
All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.			
<u>WALL TILING</u>			
<u>150 x 150 x 6mm ceramic tiles (PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing white grout all as per manufacturers specifications</u>			
7/11/1	Plastered walls	m2	167
7/11/2	On narrow widths	m2	17
7/11/3	Splash backs	m2	2
<u>FLOOR TILING</u>			
<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>			
7/11/4	On floors	m2	88
7/11/5	75mm high skirting	m	219
<u>ATTIC STOCK</u>			
7/11/6	150 x 150 x mm ceramic tiles(PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site)	m2	17
7/11/7	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	15
<u>SUNDRIES</u>			
Carried Forward			R
Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 11 Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
7/11/8	<p><u>10mm aluminium straight edge trim</u></p> <p>Dividing strip between tiles and door frames</p>	m	5	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 11 Tiling</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 12 Plumbing and Drainage</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<p><u>Laying, backfilling, bedding, etc., of pipes:</u></p> <p>Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>RAINWATER GOODS</u></p> <p><u>Similar Approved</u></p> <p><u>Gutters</u></p>			
7/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	69	
7/12/2	Extra over eaves gutter for stopped end	No	24	
7/12/3	Extra over eaves gutter for corner	No	52	
7/12/4	Extra over eaves gutter for outlet	No	12	
	<u>Rainwater downpipes</u>			
7/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	42	
7/12/6	Extra over downpipe for offset	No	24	
7/12/7	Extra over downpipe for shoe	No	12	
	<u>SANITARY FITTINGS</u>			
	Refer to sanitary schedule drawing for full description of abbreviations			
	<u>WASH HAND BASINS</u>			
	Carried Forward			R
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 12 Plumbing and Drainage</p>			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

		Brought Forward		R
		<u>Similar Approved</u>		
		<u>Vaal Sanitaryware "Hibiscus" vitreous china basin with three semi-punched holes tap holes, including integrated overflow, including chain stay hole through the centre semi-punched tap hole, supplied with plug and chain, hung to walls (PC allowance of R450.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>		
7/12/8	WHB, installed complete	No	6	
		<u>WATER CLOSET</u>		
		<u>Similar Approved</u>		
		<u>Vaal Sanitaryware "Daisy" semi-close coupled water closet comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cistern complete with lid, fitments and flush pipe elbow (PC allowance of R2 800.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>		
7/12/9	WC, installed complete	No	12	
		<u>CHROME PLATED WASTE UNIONS, ETC. (Supply & Fit)</u>		
7/12/10	32mm Basin waste union	No	6	
		<u>TOILET ROLL HOLDER</u>		
		<u>To be approved by Architect</u>		
7/12/11	130 x 560 x 130mm mild steel vandal proof Toilet paper roll holder (Colour: White), plugged and screwed to walls	No	12	
		<u>SOAP DISPENSER</u>		
		<u>To be approved by Architect</u>		
7/12/12	110 x 170 x 35mm high plastic Soap dispenser (Colour: White and transparent), with lever button and pump, plugged and screwed to wall	No	2	
		Carried Forward		R
		Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 12 Plumbing and Drainage		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R	
<u>PAPER TOWEL DISPENSER</u>				
<u>To be approved by Architect</u>				
7/12/13	360 x 380 x 240mm high lockable auto-cut (reflex) plastic Paper towel dispenser (Colour: White), plugged and screwed to wall	No	2	
<u>TAPS, VALVES, ETC</u>				
<u>Similar Approved</u>				
7/12/14	15mm Cobra brass watertight hose Bib tap (Code: 108-15)	No	6	
<u>TESTING</u>				
7/12/15	Testing water pipe system		Item	
<u>BUDGETARY ALLOWANCE</u>				
7/12/16	Allow an amount of R107 400.00 (One Hundred and Seven Thousand Four Hundred) for the supply and installation of Sanitary Fitting Sundries		Item	322 200.00
7/12/17	Allow an amount of R200 000.00 (Two Hundred Thousand) for the supply and installation of Enviro-loo complete		Item	600 000.00
Carried Forward to Summary of Section No.				
Section No. 7				R
4 SEATER ENVIROLOO TOILET BLOCK X 3				
Bill No. 12				
Plumbing and Drainage				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>Note:</u>			
	All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400			
	<u>GLASS TO STEEL WITH PUTTY</u>			
	<u>6mm obscure floated glass fixed glazing putty</u>			
7/13/1	Panes exceeding 0.5m2 and not exceeding 2.0m2	m2	6	
	<u>TOPS, SHELVES, DOORS, MIRROR ETC</u>			
	<u>6mm Polished plate float glass mirrors with square polished edges plugged with chrome plated detachable screws or similarly approved</u>			
7/13/2	Mirror 400 x 600 mm high	No	6	
	Carried Forward to Summary of Section No.			R
	Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 13 Glazing			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 14</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>FIBRE CEMENT</u></p> <p><u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u></p>			
7/14/1	On internal ceilings and cornices	m2	62	
7/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	69	
	<p><u>Prepare and apply one coat alkali resistant sealer and two coats mat enamel paint, colour to be confirmed by architect</u></p>			
7/14/3	Fiber cement window sill not exceeding 300mm high or wide	m	6	
	<p><u>FLOATED PLASTER INTERNAL WALLS</u></p>			
	Carried Forward			R
	<p>Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3 Bill No. 14 Paintwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>		
7/14/4	Plastered walls	m2	281
	<u>METAL SURFACES</u>		
	<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u>		
7/14/5	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	23
7/14/6	On window frames	m2	6
7/14/7	On door frames	m2	38
7/14/8	On gutters	m	69
7/14/9	On downpipes	m	43
	<u>Prepare and apply one coat Merit universal undercoat and two coats gloss enamel paint, colour to be confirmed by architect</u>		
	<u>WOOD</u>		
	<u>Prepare and apply one coat universal undercoat and two coats acrylic PVA, colour to be confirmed by architect</u>		
7/14/10	On door	m2	84
	<u>Prepare and paint three coats clear varnish:</u>		
7/14/11	On door	m2	20
Carried Forward to Summary of Section No.			R
Section No. 7			
4 SEATER ENVIROLOO TOILET BLOCK X 3			
Bill No. 14			
Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
7/1	Earthworks	7/4	
7/2	Concrete,Formwork and Reinforcement	7/8	
7/3	Masonry	7/12	
7/4	Waterproofing	7/13	
7/5	Roof Coverings	7/15	
7/6	Carpentry and Joinery	7/19	
7/7	Ceilings,Partitions and Access Flooring	7/22	
7/8	Ironmongery	7/25	
7/9	Metalwork	7/29	
7/10	Plastering	7/30	
7/11	Tiling	7/33	
7/12	Plumbing and Drainage	7/37	
7/13	Glazing	7/38	
7/14	Paintwork	7/40	
	Carried to Final Summary		
	Section No. 7 4 SEATER ENVIROLOO TOILET BLOCK X 3		R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 8</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>SITE CLEARANCE ETC</u></p> <p><u>Site clearance</u></p> <p>Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc</p> <p><u>EXCAVATIONS</u></p>			
8/1/1		m2	110	
	Carried Forward			R
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 1 Earthworks</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Excavation in earth not exceeding 2m deep</u>			
8/1/2	Trenches	m3	36
8/1/3	Holes	m3	40
<u>Extra over excavations in earth to trenches and holes for</u>			
8/1/4	Excavation in soft rock	m3	8
8/1/5	Excavation in hard rock	m3	4
<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 93% Mod AASHTO density</u>			
8/1/6	Exceeding 1,5m and not exceeding 3,0m deep for placing and removing formwork to walls etc.. 500mm away from excavated face	m2	53
<u>CARTING AWAY OF EXCAVATED MATERIAL</u>			
<u>Note:</u>			
Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or , alternatively, from stock piles situated on the building site.			
8/1/7	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3	59
<u>RISK OF COLLAPSE OF EXCAVATIONS</u>			
<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>			
8/1/8	Trenches and holes	m2	156
<u>Keeping excavations free of water</u>			
8/1/9	Keeping excavations free of water		Item
<u>FILLING, ETC.</u>			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
8/1/10	Backfilling to trenches, holes, etc	m3	18
Carried Forward			R
Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
8/1/11	Under floors, steps, pavings, etc <u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>	m3	46
8/1/12	Backfilling to trenches, holes, etc	m3	5
8/1/13	Under floors, steps, pavings, etc <u>Filling supplied by the Contractor under floors, trenches, etc.</u>	m3	7
8/1/14	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick <u>COMPACTION OF SURFACES</u>	m3	8
8/1/15	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density <u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u> <u>Protection against termites, ants, etc</u>	m2	118
8/1/16	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	98
8/1/17	To bottom and sides of excavated trenches, Holes, etc.	m2	211
Carried Forward to Summary of Section No.			R
Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 2 Concrete,Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>15Mpa/19mm concrete</u></p>			
8/2/1	Blinding	m3	2	
	Carried Forward		R	
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 2 Concrete, Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>			
<u>25MPa/19mm Concrete</u>			
8/2/2	Strip footings	m3	9
<u>REINFORCED CONCRETE CAST IN FORMWORK</u>			
<u>20Mpa/19mm concrete</u>			
8/2/3	Concrete Apron cast to fall etc,	m3	4
<u>25MPa/19mm Concrete</u>			
8/2/4	Surface beds cast in panels	m3	8
8/2/5	Slabs including beams and inverted beams	m3	2
<u>TEST BLOCKS</u>			
<u>Notes:</u>			
Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)			
8/2/6	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	11
<u>SUNDRIES TO CONCRETE</u>			
<u>Surface treatment</u>			
8/2/7	Power float top surface of concrete surface bed to a true and even level finish	m2	119
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
8/2/8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	139
<u>Rough formwork to soffits</u>			
8/2/9	Flat slabs not exceeding 250mm thick, propped up not exceeding 3,5m high from bearing level	m2	21
<u>MOVEMENTS JOINTS ETC,</u>			
Carried Forward			R
Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 2 Concrete,Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Expansion joints</u>		
8/2/10	10mm soft board or similar approved between concrete and brick wall	m	67
	<u>REINFORCEMENT (PROVISIONAL)</u>		
	<u>High and mild tensile steel reinforcement to structural concrete work</u>		
8/2/11	All diameter bars	t	1
	<u>Fabric reinforcement:</u>		
8/2/12	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	54
Carried Forward to Summary of Section No.			R
Section No. 8			
10 SEATS ENVIROLOO TOILET BLOCK X 2			
Bill No. 2			
Concrete, Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>BRICKWORK IN FOUNDATION</u></p>			
	Carried Forward		R	
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 3 Masonry</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>		
8/3/1	One brick wall	m2	38
	<u>SUPERSTRUCTURE BRICKWORK</u>		
	<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>		
8/3/2	One brick wall	m2	208
8/3/3	Half brick wall	m2	22
8/3/4	Half brick wall, in beamfilling	m2	12
	<u>Mass brickwork in regular piers of NFP brick in class II mortar laid in stretcher bond</u>		
8/3/5	340 x 230mm Brick Piers	m3	1
8/3/6	360 x 230mm Brick Piers	m3	1
	<u>FACE BRICKWORK</u>		
	Bricks shall be ordered timeously to obtain uniformity in size and colour		
	<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>		
8/3/7	Extra over brickwork for face brickwork in foundations (Provisional)	m2	77
8/3/8	Extra over brickwork for face brickwork in superstructure	m2	171
8/3/9	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	7
8/3/10	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	4
8/3/11	Extra over brickwork for face brickwork to piers	m2	27
8/3/12	Extra over brickwork for face brickwork in beamfilling	m2	12
	<u>BRICKWORK SUNDRIES</u>		
	Carried Forward		R
	Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 3 Masonry		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Brickwork reinforcement</u>			
8/3/13	75mm Wide reinforcement built in horizontally	m	66
8/3/14	150mm Wide reinforcement built in horizontally.	m	845
<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>			
8/3/15	100 x 70mm Lintels in lengths not exceeding 3m	m	7
8/3/16	175 x 70mm Lintels in lengths not exceeding 3m	m	23
<u>Turning pieces</u>			
8/3/17	110mm Wide turning piece to flat brick lintels	m	21
<u>Air bricks etc</u>			
8/3/18	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	4
<u>Roof ties</u>			
8/3/19	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	39
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Expansion joints</u>			
8/3/20	30mm softboard between vertical brick surfaces not exceeding 300mm wide	m2	8
Carried Forward to Summary of Section No.			R
Section No. 8			
10 SEATS ENVIROLOO TOILET BLOCK X 2			
Bill No. 3			
Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
8/4/1	Under walls	m2	3	
8/4/2	Under cills, etc.	m2	1	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
8/4/3	Under surface beds.	m2	98	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
8/4/4	10mm Isolation Joints between surface bed concrete and brick wall	m	67	
	Carried Forward to Summary of Section No.			
	Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 4 Waterproofing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 5</u></p> <p><u>ROOF COVERINGS</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ROOF SHEETING</u></p> <p><u>Similar Approved</u></p> <p><u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u></p>			
8/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	80	
8/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	11	
8/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	20	
	<p><u>ROOF AND WALL INSULATION</u></p> <p><u>Similar Approved</u></p>			
	Carried Forward			R
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 5 Roof Coverings</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R	
8/5/4	<p><u>Sisalation "Bubble Foil" aluminium foil banded insulation</u></p> <p>135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories</p>	m2	80		
	Carried Forward to Summary of Section No.			R	
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 5 Roof Coverings</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 6 Carpentry and Joinery</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Plate nailed timber roof truss construction</u>			
The following is applicable in respect of roof trusses:			
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.			
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.			
All joints to be close fitted butt joints.			
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.			
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.			
Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.			
<u>Roof trusses</u>			
8/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan)	m2	67
<u>Sawn softwood</u>			
8/6/2	38 x 114mm Wall plates	m	46
<u>Sundries</u>			
8/6/3	Two coats creosote on sawn timbers	m2	17
<u>Similar Approved</u>			
Carried Forward			R
Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 6 Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<u>"Everite FC77" Fascia and badge boards</u>			
8/6/4	15 x 225mm Pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per architect's specification	m	46	
	<u>DOORS ETC</u>			
	<u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u>			
8/6/5	813 x 2032mm single door	No	20	
8/6/6	914 x 2032mm single door	No	4	
	<u>WINDOWS</u>			
	<u>Similar Approved</u>			
	<u>"Nutec" fibre cement window cills</u>			
8/6/7	150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations	m	4	
Carried Forward to Summary of Section No.				R
Section No. 8				
10 SEATS ENVIROLOO TOILET BLOCK X 2				
Bill No. 6				
Carpentry and Joinery				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p>			
	Carried Forward		R	
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
8/7/1	<p>2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails</p>	m2	34	
	<p><u>CORNICES</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
8/7/2	<p>75mm Coved cornice, plugged to brickwork</p>	m	76	
	<p><u>SUNDRIES</u></p> <p><u>Extra over for Trap Doors</u></p>			
8/7/3	<p>Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening</p>	No	4	
	<p><u>CEILING INSULATION</u></p>			
Carried Forward				R
<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 7 Ceilings,Partitions and Access Flooring</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
8/7/4	<p><u>Insulation</u></p> <p>125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.</p>	m2	34	
	Carried Forward to Summary of Section No.			R
	Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 7 Ceilings,Partitions and Access Flooring			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward		R
<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		
AN Anodised natural		
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>Rates</u>		
The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.		
<u>DOOR FURNITURE</u>		
<u>Similar Approved</u>		
<u>Handles</u>		
8/8/1	SS Pull handle BT fixed on a 75 x 170 x 1.2mm thick Grade 430 steel plate with no cylinder cutout, with steel plate to have 4 countersunk holes for screw fixing (Code: DHP-430-BL 75X170)	No 20
<u>Locks</u>		
8/8/2	SS Bathroom deadlock, with case size 102 x 78mm, with forend size 155 x 22mm, with 57mm backset (Code: D032D SS)	No 20
8/8/3	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No 5
8/8/4	SC 150mm Cabin hook (Code: CH 150)	No 5
8/8/5	SS bathroom WC indicator (red and white) and turnknob (Code: DWC-005)	Sets 20.0
Carried Forward		R
Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 8 Ironmongery		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Kick and push plates</u>			
8/8/6	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	50
8/8/7	SS 75 x 170 x 1.2mm thick Grade 430 steel plate, with steel plate to have 4 countersunk holes for screw fixing (Code: DPP-430-BL 75X170)	No	20
<u>Panic hardware</u>			
8/8/8	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	5.0
8/8/9	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	5
<u>Sundries</u>			
8/8/10	Male / Female fixing screws (Qty 4 per pack)	Sets	20.0
8/8/11	SS Hat and coat hook with rubber buffer (Code: DHC-SS-031B)	No	20
Carried Forward to Summary of Section No.			R
Section No. 8			
10 SEATS ENVIROLOO TOILET BLOCK X 2			
Bill No. 8			
Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p> <p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p>			
	Carried Forward		R	
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
<p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p> <p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p> <p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p> <p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p> <p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p>				
Carried Forward				
<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 9 Metalwork</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p> <p><u>WELDED SCREENS, GATES, ETC.</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 9 Metalwork</p>		R	

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
8/9/1	<p><u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u></p> <p>Steel gate to door, size 813mm x 2032mm high</p>	No	4
<u>PRESSED STEEL DOOR FRAMES</u>			
8/9/2	<p><u>1.2mm thick Single rebated frame suitable for half brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p> <p>813 x 2032mm single door</p>	No	20
8/9/3	<p><u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p> <p>914 x 2032mm single door</p>	No	4
<u>WINDOWS FRAMES, etc.</u>			
8/9/4	<p><u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u></p> <p>Window size 533 x 950mm high</p>	No	8
Carried Forward to Summary of Section No.			R
<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 9 Metalwork</p>			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
8/10/1	30mm Thick on floors and landings	m2	112	
8/10/2	30mm Thick to falls and currents	m2	5	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
8/10/3	On brick walls	m2	187	
8/10/4	On narrow widths	m2	19	
	<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>			
8/10/5	Aluminium straight edge M-trim suitable for under-screed fixing in vinyl/ceramic, etc. installed as per manufactures recommendation and specification.	m	3	
	Carried Forward to Summary of Section No.			
	Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 10 Plastering			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 11 Tiling</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Note</u>			
All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.			
<u>WALL TILING</u>			
<u>150 x 150 x 6mm ceramic tiles (PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing white grout all as per manufacturers specifications</u>			
8/11/1	Plastered walls	m2	111
8/11/2	On narrow widths	m2	11
8/11/3	Splash backs	m2	1
<u>FLOOR TILING</u>			
<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>			
8/11/4	On floors	m2	59
8/11/5	75mm high skirting	m	146
<u>ATTIC STOCK</u>			
8/11/6	150 x 150 x 6mm ceramic tiles (PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site)	m2	11
8/11/7	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	6
<u>SUNDRIES</u>			
<u>10mm aluminium straight edge trim</u>			
8/11/8	Dividing strip between tiles and door frames	m	3
Carried Forward to Summary of Section No.			R
Section No. 8			
10 SEATS ENVIROLOO TOILET BLOCK X 2			
Bill No. 11			
Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p> <p><u>Laying, backfilling, bedding, etc., of pipes:</u></p> <p>Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions</p>			
	Carried Forward		R	
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No.1, shall equally apply to this Bill.			
<u>RAINWATER GOODS</u>			
<u>Similar Approved</u>			
<u>Gutters</u>			
8/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	46
8/12/2	Extra over eaves gutter for stopped end	No	16
8/12/3	Extra over eaves gutter for corner	No	35
8/12/4	Extra over eaves gutter for outlet	No	8
<u>Rainwater downpipes</u>			
8/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	28
8/12/6	Extra over downpipe for offset	No	16
8/12/7	Extra over downpipe for shoe	No	8
<u>SANITARY FITTINGS</u>			
Refer to sanitary schedule drawing for full description of abbreviations			
<u>WASH HAND BASINS</u>			
<u>Similar Approved</u>			
<u>Vaal Sanitaryware "Hibiscus" vitreous china basin with three semi-punched holes tap holes, including integrated overflow, including chain stay hole through the centre semi-punched tap hole, supplied with plug and chain, hung to walls (PC allowance of R450.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>			
8/12/8	WHB, installed complete	No	4
<u>WATER CLOSET</u>			
Carried Forward			R
Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 12 Plumbing and Drainage			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
	<u>Similar Approved</u>		
	<u>Vaal Sanitaryware "Daisy" semi-close coupled water closet comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cistern complete with lid, fitments and flush pipe elbow (PC allowance of R2 800.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>		
8/12/9	WC, installed complete	No	8
	<u>URINALS</u>		
	<u>Vaal Sanitaryware "Lavatera" vitreous china wall hung urinal with top inlet including 38mm chrome plated domical grating, including Cobra "Junior Flushmaster" exposed chrome plated flush valve, including offset urinal flush pipe, chrome plated bottle trap and parallel nipple (PC allowance of R4 950.00/no excludes V.A.T. but includes delivery to site), includes supply and fixing</u>		
8/12/10	Urinal, installed complete	No	2
	<u>CHROME PLATED WASTE UNIONS, ETC. (Supply & Fit)</u>		
8/12/11	32mm Basin waste union	No	4
	<u>TOILET ROLL HOLDER</u>		
	<u>To be approved by Architect</u>		
8/12/12	130 x 560 x 130mm mild steel vandal proof Toilet paper roll holder (Colour: White), plugged and screwed to walls	No	8
	<u>SOAP DISPENSER</u>		
	<u>To be approved by Architect</u>		
8/12/13	110 x 170 x 35mm high plastic Soap dispenser (Colour: White and transparent), with lever button and pump, plugged and screwed to wall	No	2
	<u>PAPER TOWEL DISPENSER</u>		
Carried Forward			R
Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 12 Plumbing and Drainage			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>To be approved by Architect</u>			
8/12/14	360 x 380 x 240mm high lockable auto-cut (reflex) plastic Paper towel dispenser (Colour: White), plugged and screwed to wall	No	2
<u>TAPS, VALVES, ETC</u>			
<u>Similar Approved</u>			
8/12/15	15mm Cobra brass watertight hose Bib tap (Code: 108-15)	No	4
<u>TESTING</u>			
8/12/16	Testing water pipe system		Item
<u>BUDGETARY ALLOWANCE</u>			
8/12/17	Allow an amount of R205 800.00 (Two Hundred and Five Thousand Eight Hundred) for the supply and installation of Sanitary Fitting Sundries		Item
			164 640.00
8/12/18	Allow an amount of R500 000.00 (Five Hundred Thousand) for the supply and installation of Enviro-loo complete		Item
			400 000.00
Carried Forward to Summary of Section No.			
Section No. 8			R
10 SEATS ENVIROLOO TOILET BLOCK X 2			
Bill No. 12			
Plumbing and Drainage			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 13</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Note:</u></p> <p>All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400</p> <p><u>GLASS TO STEEL WITH PUTTY</u></p> <p><u>6mm obscure floated glass fixed glazing putty</u></p>			
8/13/1	Panels exceeding 0.5m ² and not exceeding 2.0m ²	m ²	4	
	<p><u>TOPS, SHELVES, DOORS, MIRROR ETC</u></p> <p><u>6mm Polished plate float glass mirrors with square polished edges plugged with chrome plated detachable screws or similarly approved</u></p>			
8/13/2	Mirror 400 x 600 mm high	No	4	
	Carried Forward to Summary of Section No.			R
	Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 13 Glazing			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 14</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>FIBRE CEMENT</u></p> <p><u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u></p>			
8/14/1	On internal ceilings and cornices	m2	41	
8/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	46	
	<p><u>Prepare and apply one coat alkali resistant sealer and two coats mat enamel paint, colour to be confirmed by architect</u></p>			
8/14/3	Fiber cement window sill not exceeding 300mm high or wide	m	4	
	<p><u>FLOATED PLASTER INTERNAL WALLS</u></p> <p><u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u></p>			
8/14/4	Plastered walls	m2	187	
	<p><u>METAL SURFACES</u></p>			
	Carried Forward			R
	<p>Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2 Bill No. 14 Paintwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u>			
8/14/5	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	15
8/14/6	On window frames	m2	4
8/14/7	On door frames	m2	26
8/14/8	On gutters	m	46
8/14/9	On downpipes	m	28
<u>WOOD</u>			
<u>Prepare and apply one coat universal undercoat and two coats acrylic PVA, colour to be confirmed by architect</u>			
8/14/10	On door	m2	56
<u>Prepare and paint three coats clear varnish:</u>			
8/14/11	On door	m2	13
Carried Forward to Summary of Section No.			R
Section No. 8			
10 SEATS ENVIROLOO TOILET BLOCK X 2			
Bill No. 14			
Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
8/1	Earthworks	8/3	
8/2	Concrete,Formwork and Reinforcement	8/7	
8/3	Masonry	8/10	
8/4	Waterproofing	8/11	
8/5	Roof Coverings	8/13	
8/6	Carpentry and Joinery	8/17	
8/7	Ceilings,Partitions and Access Flooring	8/20	
8/8	Ironmongery	8/23	
8/9	Metalwork	8/27	
8/10	Plastering	8/28	
8/11	Tiling	8/30	
8/12	Plumbing and Drainage	8/34	
8/13	Glazing	8/35	
8/14	Paintwork	8/37	
Carried to Final Summary			
Section No. 8 10 SEATS ENVIROLOO TOILET BLOCK X 2			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 9</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>EXCAVATIONS</u></p> <p><u>Excavation in earth not exceeding 2m deep</u></p>			
9/1/1	Trenches	m3	55	
	<p><u>Extra over excavations in earth to trenches and holes for</u></p>			
9/1/2	Excavation in soft rock	m3	5	
	Carried Forward			R
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 1 Earthworks</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
9/1/3	Excavation in hard rock	m3	3
<u>CARTING AWAY OF EXCAVATED MATERIAL</u>			
<u>Note:</u>			
Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or , alternatively, from stock piles situated on the building site.			
9/1/4	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3	33
<u>RISK OF COLLAPSE OF EXCAVATIONS</u>			
<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>			
9/1/5	Trenches and holes	m2	189
<u>Keeping excavations free of water</u>			
9/1/6	Keeping excavations free of water		Item
<u>FILLING, ETC.</u>			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
9/1/7	Backfilling to trenches, holes, etc	m3	25
9/1/8	Under floors, steps, pavings, etc	m3	60
<u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
9/1/9	Backfilling to trenches, holes, etc	m3	8
9/1/10	Under floors, steps, pavings, etc	m3	10
<u>Filling supplied by the Contractor under floors, trenches, etc.</u>			
9/1/11	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick	m3	10
Carried Forward			R
Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>COMPACTION OF SURFACES</u>			
9/1/12	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density	m2	133
<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>			
<u>Protection against termites, ants, etc</u>			
9/1/13	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	133
9/1/14	To bottom and sides of excavated trenches, Holes, etc.	m2	244
Carried Forward to Summary of Section No.			
Section No. 9			
4 SEATS WATERBORNE TOILET BLOCK X 3			
Bill No. 1			
Earthworks			
			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 2 Concrete,Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	<p style="text-align: center;">Brought Forward</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>15Mpa/19mm concrete</u></p>		R	
9/2/1	Blinding	m3	3	
	<p style="text-align: center;">Carried Forward</p> <p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 2 Concrete,Formwork and Reinforcement</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

		Brought Forward		R
		<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>		
		<u>25MPa/19mm Concrete</u>		
9/2/2	Strip footings	m3	14	
		<u>REINFORCED CONCRETE CAST IN FORMWORK</u>		
		<u>20Mpa/19mm concrete</u>		
9/2/3	Concrete Apron cast to fall etc,	m3	7	
		<u>25MPa/19mm Concrete</u>		
9/2/4	Surface beds cast in panels	m3	9	
		<u>TEST BLOCKS</u>		
		<u>Notes:</u>		
		Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)		
9/2/5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	14	
		<u>SUNDRIES TO CONCRETE</u>		
		<u>Surface treatment</u>		
9/2/6	Power float top surface of concrete surface bed to a true and even level finish	m2	133	
		<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>		
		<u>Rough formwork to sides</u>		
9/2/7	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	134	
		<u>Rough formwork to soffits</u>		
		<u>MOVEMENTS JOINTS ETC,</u>		
		<u>Expansion joints</u>		
9/2/8	10mm soft board or similar approved between concrete and brick wall	m	67	
		Carried Forward		R
		Section No. 9		
		4 SEATS WATERBORNE TOILET BLOCK X 3		
		Bill No. 2		
		Concrete,Formwork and Reinforcement		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward				
	<u>REINFORCEMENT (PROVISIONAL)</u>				R
	<u>High and mild tensile steel reinforcement to structural concrete work</u>				
9/2/9	All diameter bars	t	1		
	<u>Fabric reinforcement:</u>				
9/2/10	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	66		
	Carried Forward to Summary of Section No.				R
	Section No. 9				
	4 SEATS WATERBORNE TOILET BLOCK X 3				
	Bill No. 2				
	Concrete, Formwork and Reinforcement				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>BRICKWORK IN FOUNDATION</u></p>			
	Carried Forward		R	
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 3 Masonry</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>		
9/3/1	One brick wall	m2	71
	<u>SUPERSTRUCTURE BRICKWORK</u>		
	<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>		
9/3/2	One brick wall	m2	223
9/3/3	Half brick wall	m2	67
9/3/4	Half brick wall, in beamfilling	m2	10
	<u>FACE BRICKWORK</u>		
	Bricks shall be ordered timeously to obtain uniformity in size and colour		
	<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>		
9/3/5	Extra over brickwork for face brickwork in foundations (Provisional)	m2	142
9/3/6	Extra over brickwork for face brickwork in superstructure	m2	191
9/3/7	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	12
9/3/8	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	12
9/3/9	Extra over brickwork for face brickwork in beamfilling	m2	10
	<u>BRICKWORK SUNDRIES</u>		
	<u>Brickwork reinforcement</u>		
9/3/10	75mm Wide reinforcement built in horizontally	m	197
9/3/11	150mm Wide reinforcement built in horizontally.	m	1 072
	Carried Forward		R
	Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 3 Masonry		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>			
9/3/12	100 x 70mm Lintels in lengths not exceeding 3m	m	16
9/3/13	175 x 70mm Lintels in lengths not exceeding 3m	m	15
<u>Turning pieces</u>			
9/3/14	110mm Wide turning piece to flat brick lintels	m	23
<u>Air bricks etc</u>			
9/3/15	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	6
<u>Fair cutting to face brickwork</u>			
9/3/16	Fair raking cutting at gables	m	69
<u>Roof ties</u>			
9/3/17	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	56
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Expansion joints</u>			
9/3/18	30mm softboard between vertical brick surfaces not exceeding 300mm wide	m2	11
Carried Forward to Summary of Section No.			R
Section No. 9			
4 SEATS WATERBORNE TOILET BLOCK X 3			
Bill No. 3			
Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
9/4/1	Under walls	m2	2	
9/4/2	Under cills, etc.	m2	3	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
9/4/3	Under surface beds.	m2	133	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
9/4/4	10mm Isolation Joints between surface bed concrete and brick wall	m	67	
	Carried Forward to Summary of Section No.			
	Section No. 9			
	4 SEATS WATERBORNE TOILET BLOCK X 3			
	Bill No. 4			
	Waterproofing			
				R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>ROOF SHEETING</u>			
	<u>Similar Approved</u>			
	<u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u>			
9/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	111	
9/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	17	
9/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	30	
	<u>LOUVRES</u>			
	<u>Similar Approved</u>			
	Carried Forward			R
	Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 5 Roof Coverings			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
<p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>				
Carried Forward				
<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 6 Carpentry and Joinery</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward		R
<u>Plate nailed timber roof truss construction</u>		
The following is applicable in respect of roof trusses:		
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.		
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.		
All joints to be close fitted butt joints.		
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.		
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.		
Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.		
<u>Roof trusses</u>		
9/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan) m2	92
<u>Sawn softwood</u>		
9/6/2	38 x 114mm Wall plates m	67
<u>Sundries</u>		
9/6/3	Two coats creosote on sawn timbers m2	25
<u>Similar Approved</u>		
Carried Forward		R
Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 6 Carpentry and Joinery		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>"Everite FC77" Fascia and badge boards</u>			
9/6/4	15 x 225mm Pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per architect's specification	m	69
9/6/5	15 x 80 x 300mm fibre cement barge board	m	69
<u>DOORS ETC</u>			
<u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u>			
9/6/6	813 x 2032mm single door	No	12
9/6/7	914 x 2032mm single door	No	6
<u>WINDOWS</u>			
<u>Similar Approved</u>			
<u>"Nutec" fibre cement window cills</u>			
9/6/8	150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations	m	12
Carried Forward to Summary of Section No.			R
Section No. 9			
4 SEATS WATERBORNE TOILET BLOCK X 3			
Bill No. 6			
Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p>			
	Carried Forward		R	
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
9/7/1	<p>2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails</p>	m2	43
<p><u>CORNICES</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
9/7/2	<p>75mm Coved cornice, plugged to brickwork</p>	m	47
<p><u>SUNDRIES</u></p> <p><u>Extra over for Trap Doors</u></p>			
9/7/3	<p>Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening</p>	No	3
<p><u>CEILING INSULATION</u></p>			
Carried Forward			R
<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
9/7/4	<p><u>Insulation</u></p> <p>125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.</p>	m2	43	
	Carried Forward to Summary of Section No.			R
	Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 7 Ceilings,Partitions and Access Flooring			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward		R
<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		
AN Anodised natural		
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>Rates</u>		
The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.		
<u>DOOR FURNITURE</u>		
<u>Similar Approved</u>		
<u>Handles</u>		
9/8/1	SS Pull handle BT fixed on a 75 x 170 x 1.2mm thick Grade 430 steel plate with no cylinder cutout, with steel plate to have 4 countersunk holes for screw fixing (Code: DHP-430-BL 75X170)	No 12
<u>Locks</u>		
9/8/2	SS Bathroom deadlock, with case size 102 x 78mm, with forend size 155 x 22mm, with 57mm backset (Code: D032D SS)	No 12
9/8/3	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No 6
9/8/4	SC 150mm Cabin hook (Code: CH 150)	No 6
9/8/5	SS bathroom WC indicator (red and white) and turnknob (Code: DWC-005)	Sets 12.0
Carried Forward		R
Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 8 Ironmongery		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<u>Kick and push plates</u>				
9/8/6	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	36	
9/8/7	SS 75 x 170 x 1.2mm thick Grade 430 steel plate, with steel plate to have 4 countersunk holes for screw fixing (Code: DPP-430-BL 75X170)	No	12	
<u>Panic hardware</u>				
9/8/8	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	6.0	
9/8/9	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	6	
<u>Sundries</u>				
9/8/10	Male / Female fixing screws (Qty 4 per pack)	Sets	12.0	
9/8/11	SS Hat and coat hook with rubber buffer (Code: DHC-SS-031B)	No	12	
Carried Forward to Summary of Section No.				R
Section No. 9				
4 SEATS WATERBORNE TOILET BLOCK X 3				
Bill No. 8				
Ironmongery				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p> <p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p>			
	Carried Forward		R	
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p> <p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p> <p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p> <p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p> <p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 9 Metalwork</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	<p style="text-align: center;">Brought Forward</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p> <p><u>PRESSED STEEL DOOR FRAMES</u></p> <p><u>1.2mm thick Single rebated frame suitable for half brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p>		R	
9/9/1	813 x 2032mm single door	No	12	
	<p style="text-align: center;">Carried Forward</p> <p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 9 Metalwork</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
9/9/2	<p><u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p> <p>914 x 2032mm single door</p> <p><u>WINDOWS FRAMES, etc.</u></p> <p><u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u></p>	No	6	
9/9/3	<p>Window size 1022 x 949mm high</p>	No	12	
Carried Forward to Summary of Section No.				R
<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 9 Metalwork</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
9/10/1	30mm Thick on floors and landings	m2	100	
9/10/2	30mm Thick to falls and currents	m2	10	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
9/10/3	On brick walls	m2	346	
9/10/4	On narrow widths	m2	35	
	Carried Forward to Summary of Section No.			
	Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 10 Plastering			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 11 Tiling</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Note</u>			
All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.			
<u>WALL TILING</u>			
<u>150 x 150 x 6mm ceramic tiles (PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing white grout all as per manufacturers specifications</u>			
9/11/1	Plastered walls	m2	185
9/11/2	On narrow widths	m2	18
9/11/3	Splash backs	m2	4
<u>FLOOR TILING</u>			
<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>			
9/11/4	On floors	m2	110
9/11/5	75mm high skirting	m	242
<u>ATTIC STOCK</u>			
9/11/6	150 x 150 x 6mm ceramic tiles (PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site)	m2	18
9/11/7	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	11
Carried Forward to Summary of Section No.			R
Section No. 9			
4 SEATS WATERBORNE TOILET BLOCK X 3			
Bill No. 11			
Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p> <p><u>Laying, backfilling, bedding, etc., of pipes:</u></p> <p>Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions</p>			
	Carried Forward		R	
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No.1, shall equally apply to this Bill.			
<u>RAINWATER GOODS</u>			
<u>Similar Approved</u>			
<u>Gutters</u>			
9/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	69
9/12/2	Extra over eaves gutter for stopped end	No	24
9/12/3	Extra over eaves gutter for corner	No	52
9/12/4	Extra over eaves gutter for outlet	No	12
<u>Rainwater downpipes</u>			
9/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	42
9/12/6	Extra over downpipe for offset	No	24
9/12/7	Extra over downpipe for shoe	No	12
<u>SANITARY FITTINGS</u>			
Refer to sanitary schedule drawing for full description of abbreviations			
<u>WASH HAND BASINS</u>			
<u>Similar Approved</u>			
<u>Vaal Sanitaryware "Hibiscus" vitreous china basin with three semi-punched holes tap holes, including integrated overflow, including chain stay hole through the centre semi-punched tap hole, supplied with plug and chain, hung to walls (PC allowance of R450.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>			
9/12/8	WHB, installed complete	No	12
<u>WATER CLOSET</u>			
Carried Forward			R
Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 12 Plumbing and Drainage			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

		Brought Forward		R
		<u>Similar Approved</u>		
		<u>Vaal Sanitaryware "Daisy" semi-close coupled water closet comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cistern complete with lid, fittings and flush pipe elbow (PC allowance of R2 800.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>		
9/12/9	WC, installed complete	No	12	
		<u>TOILET ROLL HOLDER</u>		
		<u>To be approved by Architect</u>		
9/12/10	130 x 560 x 130mm mild steel vandal proof Toilet paper roll holder (Colour: White), plugged and screwed to walls	No	12	
		<u>SOAP DISPENSER</u>		
		<u>To be approved by Architect</u>		
9/12/11	110 x 170 x 35mm high plastic Soap dispenser (Colour: White and transparent), with lever button and pump, plugged and screwed to wall	No	4	
		<u>PAPER TOWEL DISPENSER</u>		
		<u>To be approved by Architect</u>		
9/12/12	360 x 380 x 240mm high lockable auto-cut (reflex) plastic Paper towel dispenser (Colour: White), plugged and screwed to wall	No	2	
		<u>TAPS, VALVES, ETC</u>		
		<u>Similar Approved</u>		
9/12/13	15mm Cobra brass watertight hose Bib tap (Code: 108-15)	No	12	
		<u>TESTING</u>		
9/12/14	Testing water pipe system		Item	
		Carried Forward		R
	Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 12 Plumbing and Drainage			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 13</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Note:</u></p> <p>All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400</p> <p><u>GLASS TO STEEL WITH PUTTY</u></p> <p><u>5mm clear floated glass fixed glazing putty</u></p>			
9/13/1	Panels not exceeding 0.1m ²	m ²	12	
	<p><u>TOPS, SHELVES, DOORS, MIRROR ETC</u></p> <p><u>6mm Polished plate float glass mirrors with square polished edges plugged with chrome plated detachable screws or similarly approved</u></p>			
9/13/2	Mirror 400 x 600 mm high	No	12	
	<p>Carried Forward to Summary of Section No.</p>			
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 13 Glazing</p>			R

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 14</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>FIBRE CEMENT</u></p> <p><u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u></p>			
9/14/1	On internal ceilings and cornices	m2	48	
9/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	139	
	<p><u>Prepare and apply one coat alkali resistant sealer and two coats mat enamel paint, colour to be confirmed by architect</u></p>			
9/14/3	Fiber cement window sill not exceeding 300mm high or wide	m	12	
	<p><u>FLOATED PLASTER INTERNAL WALLS</u></p> <p><u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u></p>			
9/14/4	Plastered walls	m2	346	
	<p><u>METAL SURFACES</u></p>			
	Carried Forward			R
	<p>Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3 Bill No. 14 Paintwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u>			
9/14/5	On window frames	m2	12
9/14/6	On door frames	m2	16
9/14/7	On gutters	m	69
9/14/8	On downpipes	m	43
<u>WOOD</u>			
<u>Prepare and apply one coat universal undercoat and two coats acrylic PVA, colour to be confirmed by architect</u>			
9/14/9	On door	m2	44
Carried Forward to Summary of Section No.			R
Section No. 9			
4 SEATS WATERBORNE TOILET BLOCK X 3			
Bill No. 14			
Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
9/1	Earthworks	9/3	
9/2	Concrete,Formwork and Reinforcement	9/7	
9/3	Masonry	9/10	
9/4	Waterproofing	9/11	
9/5	Roof Coverings	9/13	
9/6	Carpentry and Joinery	9/17	
9/7	Ceilings,Partitions and Access Flooring	9/20	
9/8	Ironmongery	9/23	
9/9	Metalwork	9/27	
9/10	Plastering	9/28	
9/11	Tiling	9/30	
9/12	Plumbing and Drainage	9/34	
9/13	Glazing	9/35	
9/14	Paintwork	9/37	
Carried to Final Summary			
Section No. 9 4 SEATS WATERBORNE TOILET BLOCK X 3			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 10</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>SITE CLEARANCE ETC</u></p> <p><u>Site clearance</u></p> <p>Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc</p> <p><u>EXCAVATIONS</u></p>			
10/1/1		m2	434	
	Carried Forward			R
	Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Excavation in earth not exceeding 2m deep</u>			
10/1/2	Trenches	m3	116
<u>Extra over excavations in earth to trenches and holes for</u>			
10/1/3	Excavation in soft rock	m3	12
10/1/4	Excavation in hard rock	m3	6
<u>CARTING AWAY OF EXCAVATED MATERIAL</u>			
<u>Note:</u>			
Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or , alternatively, from stock piles situated on the building site.			
10/1/5	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3	67
<u>RISK OF COLLAPSE OF EXCAVATIONS</u>			
<u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u>			
10/1/6	Trenches and holes	m2	372
<u>Keeping excavations free of water</u>			
10/1/7	Keeping excavations free of water		Item
<u>FILLING, ETC.</u>			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
10/1/8	Backfilling to trenches, holes, etc	m3	55
10/1/9	Under floors, steps, pavings, etc	m3	99
<u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
10/1/10	Backfilling to trenches, holes, etc	m3	17
10/1/11	Under floors, steps, pavings, etc	m3	50
Carried Forward			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<u>Filling supplied by the Contractor under floors, trenches, etc.</u>			
10/1/12	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick	m3	50	
	<u>COMPACTION OF SURFACES</u>			
10/1/13	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density	m2	330	
	<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>			
	<u>Protection against termites, ants, etc</u>			
10/1/14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	330	
10/1/15	To bottom and sides of excavated trenches, Holes, etc.	m2	488	
Carried Forward to Summary of Section No.				R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 1 Earthworks				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 2 Concrete, Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>15Mpa/19mm concrete</u></p>			
10/2/1	Blinding	m3	6	
	Carried Forward		R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 2 Concrete, Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>			
<u>25MPa/19mm Concrete</u>			
10/2/2	Strip footings	m3	29
<u>REINFORCED CONCRETE CAST IN FORMWORK</u>			
<u>20Mpa/19mm concrete</u>			
10/2/3	Concrete Apron cast to fall etc,	m3	2
<u>25MPa/19mm Concrete</u>			
10/2/4	Surface beds cast in panels	m3	40
10/2/5	Slabs including beams and inverted beams	m3	1
<u>TEST BLOCKS</u>			
<u>Notes:</u>			
Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)			
10/2/6	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	30
<u>SUNDRIES TO CONCRETE</u>			
<u>Surface treatment</u>			
10/2/7	Power float top surface of concrete surface bed to a true and even level finish	m2	335
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough formwork to sides</u>			
10/2/8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	135
<u>Rough formwork to soffits</u>			
10/2/9	Flat slabs not exceeding 250mm thick, propped up not exceeding 3,5m high from bearing level	m2	5
<u>MOVEMENTS JOINTS ETC,</u>			
Carried Forward			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 2 Concrete, Formwork and Reinforcement			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<u>Saw cuts Joints</u>			
10/2/10	3 x 30mm In saw cut joints in floors	m	19	
	<u>Expansion joints</u>			
10/2/11	10mm soft board or similar approved between concrete and brick wall	m	83	
	<u>REINFORCEMENT (PROVISIONAL)</u>			
	<u>High and mild tensile steel reinforcement to structural concrete work</u>			
10/2/12	All diameter bars	t	2	
	<u>Fabric reinforcement:</u>			
10/2/13	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	310	
Carried Forward to Summary of Section No.				R
Section No. 10				
LARGE ADMINISTRATION BLOCK				
Bill No. 2				
Concrete, Formwork and Reinforcement				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>BRICKWORK IN FOUNDATION</u></p>			
	Carried Forward		R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 3 Masonry</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>		
10/3/1	One brick wall	m2	186
	<u>SUPERSTRUCTURE BRICKWORK</u>		
	<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>		
10/3/2	One brick wall	m2	419
10/3/3	Half brick wall	m2	217
10/3/4	Half brick wall, in beamfilling	m2	62
	<u>Mass brickwork in regular piers of NFP brick in class II mortar laid in stretcher bond</u>		
10/3/5	340 x 230mm Brick Piers	m3	2
10/3/6	360 x 230mm Brick Piers	m3	2
	<u>FACE BRICKWORK</u>		
	Bricks shall be ordered timeously to obtain uniformity in size and colour		
	<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>		
10/3/7	Extra over brickwork for face brickwork in foundations (Provisional)	m2	186
10/3/8	Extra over brickwork for face brickwork in superstructure	m2	419
10/3/9	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	53
10/3/10	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	38
10/3/11	Extra over brickwork for face brickwork to piers	m2	27
10/3/12	Extra over brickwork for face brickwork in beamfilling	m2	14
	<u>BRICKWORK SUNDRIES</u>		
	Carried Forward		
	R		
	Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 3 Masonry		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Brickwork reinforcement</u>			
10/3/13	75mm Wide reinforcement built in horizontally	m	821
10/3/14	150mm Wide reinforcement built in horizontally.	m	1 796
<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>			
10/3/15	100 x 70mm Lintels in lengths not exceeding 3m	m	55
10/3/16	175 x 70mm Lintels in lengths not exceeding 3m	m	39
<u>Turning pieces</u>			
10/3/17	110mm Wide turning piece to flat brick lintels	m	74
<u>Air bricks etc</u>			
10/3/18	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	4
<u>Roof ties</u>			
10/3/19	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	76
<u>MOVEMENTS JOINTS ETC,</u>			
<u>Expansion joints</u>			
10/3/20	30mm softboard between vertical brick surfaces not exceeding 300mm wide	m2	18
Carried Forward to Summary of Section No.			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 3 Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
10/4/1	Under walls	m2	32	
10/4/2	Under cills, etc.	m2	7	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
10/4/3	Under surface beds.	m2	484	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
10/4/4	3 x 30mm In saw cut joints in floors	m	19	
10/4/5	10mm Isolation Joints between surface bed concrete and brick wall	m	87	
	Carried Forward to Summary of Section No.			
	Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 4 Waterproofing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>ROOF SHEETING</u>			
	<u>Similar Approved</u>			
	<u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u>			
10/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	595	
10/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	32	
10/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	51	
10/5/4	550mm girth close cut and mitred Valley gutter, 4 times bent and including soakers, etc	m	12	
	<u>ROOF AND WALL INSULATION</u>			
	<u>Similar Approved</u>			
	Carried Forward			R
	Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 5 Roof Coverings			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R	
10/5/5	<p><u>Sisalation "Bubble Foil" aluminium foil banded insulation</u></p> <p>135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories</p>	m2	595		
	Carried Forward to Summary of Section No.			R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 5 Roof Coverings</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 6 Carpentry and Joinery</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<p><u>Plate nailed timber roof truss construction</u></p> <p>The following is applicable in respect of roof trusses:</p> <p>All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.</p> <p>Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.</p> <p>All joints to be close fitted butt joints.</p> <p>Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.</p> <p>The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.</p> <p>Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.</p> <p><u>Roof trusses</u></p>			
10/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan)	m2	1	
	<p><u>Sawn softwood</u></p>			
10/6/2	38 x 114mm Wall plates	m	92	
	<p><u>Sundries</u></p>			
10/6/3	Two coats creosote on sawn timbers	m2	34	
	<p><u>Similar Approved</u></p>			
	Carried Forward		R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>"Everite FC77" Fascia and badge boards</u>		
10/6/4	15 x 225mm Pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per architect's specification	m	94
	<u>DOORS ETC</u>		
	<u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u>		
10/6/5	813 x 2032mm single door	No	4
10/6/6	914 x 2032mm single door	No	14
10/6/7	1500 x 2400mm double door	No	2
	<u>WINDOWS</u>		
	<u>Similar Approved</u>		
	<u>"Nutec" fibre cement window cills</u>		
10/6/8	150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations	m	32
Carried Forward to Summary of Section No.			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 6 Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p>			
	Carried Forward		R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>		
10/7/1	<p>2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails</p>	m2	96
	<p><u>CORNICES</u></p> <p><u>"Rhino" plasterboard cornice</u></p>		
10/7/2	<p>75mm Coved cornice, plugged to brickwork</p>	m	153
	<p><u>SUNDRIES</u></p> <p><u>Extra over for Trap Doors</u></p>		
10/7/3	<p>Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening</p>	No	2
	<p><u>CEILING INSULATION</u></p>		
	Carried Forward		R
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring</p>		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
10/7/4	<p><u>Insulation</u></p> <p>125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.</p>	m2	241	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<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			
AN Anodised natural			
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>Rates</u>			
The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.			
<u>DOOR FURNITURE</u>			
<u>Similar Approved</u>			
<u>Handles</u>			
10/8/1	SS Lever handle on rose with cylinder escutcheons (Code: TH120 Cyl S.S)	Sets	2.0
10/8/2	SS Pull handle BT fixed on a 150 x 300 x 1.2mm thick Grade 430 steel plate with no cylinder cutout, with steel plate to have 6 countersunk holes for screw fixing (Code: DHP-430-BL 150X300)	No	11
<u>Locks</u>			
10/8/3	SS Cylinder sash lock, with case size 116.5 x 78mm, with forend size 168 x 22mm, with 57mm backset and 61mm centre (Code: D036S SS)	No	2
10/8/4	SS Cylinder deadlock, with case size 116.5 x 78mm, with forend size 168 x 22mm, with 57mm backset (Code: D037D SS)	No	11
Carried Forward			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
10/8/5	SN 66mm five pin Euro-profile double cylinder master keyed (Code: DDC106601 MK)	No	2
10/8/6	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No	11
10/8/7	NP Rebate conversion kit for Euro-profile locks D036S, D037D (Code: D038R NP)	No	2
10/8/8	SC heavy duty 150 x 32mm Barrel bolt (Code: BHD 150)	No	2
10/8/9	SC heavy duty 150 x 32mm Necked barrel bolt (Code: NBHD 150)	No	2
10/8/10	SC 150mm Cabin hook (Code: CH 150)	No	4
<u>Kick and push plates</u>			
10/8/11	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	30
10/8/12	SS 150 x 300 x 1.2mm thick Grade 430 steel plate, with cylinder cutout right, with steel plate to have 6 countersunk holes for screw fixing (Code: DPP-430-CR 150X300)	No	11
10/8/13	Non hold open cam action slide channel door closer for 950mm maximum door width, with closing force EN 3, with hydraulic speed control, with pull-side door leaf fixing (standard) and push-side transom fixing (Colour: Silver) (Code: TS91B)	No	11
<u>Sundries</u>			
10/8/14	Male / Female fixing screws (Qty 4 per pack)	Sets	11.0
10/8/15	NP floor mounted Door stop (Code: DDS-NP-018)	No	11
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, etc.</u>			
<u>Pinning board consisting of pinning material/carpet surface laminated to a soft board core, complete with beading all around with a natural anodised aluminium channel surround, and surround mitred at the corners</u>			
10/8/16	2400 x 1200mm high board (Colour: Light Grey), fixed to wall in strict accordance with manufacturer's recommendations	No	
Carried Forward			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
10/8/17	<p><u>Approved</u></p> <p>White magnetic boards 3000mm x 1200mm high with aluminium frame plugged @ 1100mm above floor level on centre of the wall</p>	No	5	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p> <p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p>			
	Carried Forward		R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
<p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p> <p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p> <p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p> <p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p> <p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p>				
Carried Forward				
<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 9 Metalwork</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p> <p><u>WELDED SCREENS, GATES, ETC.</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 9 Metalwork</p>		R	

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
	<p><u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u></p>		
10/9/1	Steel gate to door, size 1500mm x 2400mm high	No	2
	<p><u>PRESSED STEEL DOOR FRAMES</u></p> <p><u>1.2mm thick Single rebated frame suitable for half brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p>		
10/9/2	813 x 2032mm single door	No	4
10/9/3	914 x 2032mm single door	No	13
	<p><u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p>		
10/9/4	914 x 2032mm single door	No	1
10/9/5	1500 x 2400mm double door	No	2
	<p><u>STRONG ROOM DOORS ETC, SUITABLE FOR 220MM WALLS FIXED TO BRICKWORK AND CONCRETE</u></p> <p><u>Similar Approved</u></p> <p><u>DS-70mm SABS Category 2 ADM strong room door, 190mm thick and steel frame, 813 x 2032mm including 8 bolts of 40 diameter-4 front and 4 back, 2x7- lever security keylock, non-deteriorating insulation material, rust proof undercoat for final painting by contractors, weight- 630 kg</u></p>		
10/9/6	Door size 813 x 2032mm	No	1
	<p><u>WINDOWS FRAMES, etc.</u></p>		
Carried Forward			R
<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u>		
10/9/7	Window size 1022 x 900mm high	No	3
10/9/8	Window size 1022 x 949mm high	No	3
10/9/9	Window size 2000 x 1170mm high	No	1
10/9/10	Window size 533 x 950mm high	No	5
10/9/11	Window size 1511 x 1170mm high	No	14
	<u>ALUMINIUM WINDOWS, DOORS, ETC</u>		
	<u>Extruded aluminium door frame in configuration with glazed double doors, with laminated safety glass accordingly to ISO 9001:200 Quality Management Standards, including installation of ironmongery, actuators, smoke seal around door frame and all necessary framework, doors, spandrels panels, sealants, closure pieces, gaskets etc, all complete to architect's approval and as per architect's drawings and specifications</u>		
10/9/12	Size 1500mm x 2100mm	No	2
	<u>MESH IN CEILING VOIDS</u>		
	<u>304/VEM 320G expanded metal mesh size 1200mm x 2400mm manufactured in accordance with SANS 190-1:1983 fixed to 76 x 50mm timber purlins using 40x 0.5mm hat channels @ 400mm centres with 12 x 20mm tac screws.</u>		
10/9/13	In Ceiling voids	m2	284
	<u>FLAG POST</u>		
10/9/14	2 x 15m high flag poles bolted to steel channel (211mm x 100mm) & channel to be anchored in concrete bases		Item
Carried Forward to Summary of Section No.			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 9 Metalwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
10/10/1	30mm Thick on floors and landings	m2	581	
10/10/2	30mm Thick to falls and currents	m2	17	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
10/10/3	On brick walls	m2	532	
10/10/4	On narrow widths	m2	53	
	<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>			
10/10/5	Aluminium straight edge M-trim suitable for under-screed fixing in vinyl/ceramic, etc. installed as per manufactures recommendation and specification.	m	6	
	Carried Forward to Summary of Section No.			
	Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 10 Plastering			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 11 Tiling</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Note</u>			
All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.			
<u>WALL TILING</u>			
<u>150 x 150 x 6mm ceramic tiles (PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing white grout all as per manufacturers specifications</u>			
10/11/1	Plastered walls	m2	151
10/11/2	On narrow widths	m2	15
10/11/3	Splash backs	m2	1
<u>FLOOR TILING</u>			
<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>			
10/11/4	On floors	m2	408
10/11/5	75mm high skirting	m	372
<u>ATTIC STOCK</u>			
10/11/6	150 x 150 x 6mm ceramic tiles (PC allowance of R 120.00/m2 excludes V.A.T. but includes delivery to site)	m2	16
10/11/7	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	41
<u>SUNDRIES</u>			
<u>10mm aluminium straight edge trim</u>			
10/11/8	Dividing strip between tiles and door frames	m	9
Carried Forward to Summary of Section No.			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 11 Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 10</u></p> <p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p> <p><u>Laying, backfilling, bedding, etc., of pipes:</u></p> <p>Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions</p>			
	Carried Forward		R	
	<p>Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No.1, shall equally apply to this Bill.			
<u>RAINWATER GOODS</u>			
<u>Similar Approved</u>			
<u>Gutters</u>			
10/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	94
10/12/2	Extra over eaves gutter for stopped end	No	22
10/12/3	Extra over eaves gutter for corner	No	48
10/12/4	Extra over eaves gutter for outlet	No	11
<u>Rainwater downpipes</u>			
10/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	38
10/12/6	Extra over downpipe for offset	No	22
10/12/7	Extra over downpipe for shoe	No	11
<u>SANITARY FITTINGS</u>			
Refer to sanitary schedule drawing for full description of abbreviations			
<u>WASH HAND BASINS</u>			
<u>Similar Approved</u>			
<u>Vaal Sanitaryware "Hibiscus" vitreous china basin with three semi-punched holes tap holes, including integrated overflow, including chain stay hole through the centre semi-punched tap hole, supplied with plug and chain, hung to walls (PC allowance of R450.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>			
10/12/8	WHB, installed complete	No	3
<u>WATER CLOSET</u>			
Carried Forward			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 12 Plumbing and Drainage			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

		Brought Forward		R
		<u>Similar Approved</u>		
		<u>Vaal Sanitaryware "Daisy" semi-close coupled water closet comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cistern complete with lid, fittings and flush pipe elbow (PC allowance of R2 800.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>		
10/12/9	WC, installed complete	No	2	
		<u>SINKS, etc.</u>		
		<u>Stainless steel single bowl sink, size 1350 x 457mm complete on and including integrated supports and legs (PC allowance of R1500.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>		
10/12/10	Stainless steel sink, complete.	No	1	
		<u>Concrete double wash trough with outlets and three pedestals (PC allowance of R780.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>		
		<u>TOILET ROLL HOLDER</u>		
		<u>To be approved by Architect</u>		
10/12/11	130 x 560 x 130mm mild steel vandal proof Toilet paper roll holder (Colour: White), plugged and screwed to walls	No	2	
		<u>TAPS, VALVES, ETC</u>		
		<u>Similar Approved</u>		
10/12/12	15mm Cobra brass watertight hose Bib tap (Code: 108-15)	No	3	
10/12/13	15mm Cobra Watertech chrome plated single tap hole Sink mixer with overarm swivel sprout (Code: 3396ST)	No	1	
		<u>FIRE FIGHTING EQUIPMENT</u>		
		<u>Extinguishers including initial charge and setting up in position:</u>		
10/12/14	9kg dry chemical powder fire extinguisher	No	4	
		Carried Forward		R
	Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 12 Plumbing and Drainage			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
10/12/15	Fire hose reel with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2	
	<u>TESTING</u>			
10/12/16	Testing water pipe system		Item	
	<u>BUDGETARY ALLOWANCE</u>			
10/12/17	Allow an amount of R72 500.00 (Seventy Two Thousand Five Hundred) for the supply and installation of Sanitary Fitting Sundries		Item	72 500.00
Carried Forward to Summary of Section No.				
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 12 Plumbing and Drainage				R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>Note:</u>			
	All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400			
	<u>GLASS TO STEEL WITH PUTTY</u>			
	<u>5mm clear floated glass fixed glazing putty</u>			
10/13/1	Panes not exceeding 0.1m2	m2	33	
	<u>6mm obscure floated glass fixed glazing putty</u>			
10/13/2	Panes exceeding 0.5m2 and not exceeding 2.0m2	m2	3	
	<u>TOPS, SHELVES, DOORS, MIRROR ETC</u>			
	<u>6mm Polished plate float glass mirrors with square polished edges plugged with chrome plated detachable screws or similarly approved</u>			
10/13/3	Mirror 400 x 600 mm high	No	3	
	Carried Forward to Summary of Section No.			
	Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 13 Glazing			
				R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>FIBRE CEMENT</u>			
	<u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>			
10/14/1	On internal ceilings and cornices	m2	154	
10/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	64	
	<u>Prepare and apply one coat alkali resistant sealer and two coats mat enamel paint, colour to be confirmed by architect</u>			
10/14/3	Fiber cement window sill not exceeding 300mm high or wide	m	32	
	<u>FLOATED PLASTER INTERNAL WALLS</u>			
	Carried Forward			R
	Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 14 Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u>		
10/14/4	Plastered walls	m2	532
	<u>METAL SURFACES</u>		
	<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u>		
10/14/5	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	29
10/14/6	On window frames	m2	35
10/14/7	On door frames	m2	34
10/14/8	On gutters	m	94
10/14/9	On downpipes	m	39
	<u>WOOD</u>		
	<u>Prepare and apply one coat universal undercoat and two coats acrylic PVA, colour to be confirmed by architect</u>		
10/14/10	On door	m2	76
	<u>Prepare and paint three coats clear varnish:</u>		
10/14/11	On door	m2	27
Carried Forward to Summary of Section No.			R
Section No. 10 LARGE ADMINISTRATION BLOCK Bill No. 14 Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
10/1	Earthworks	10/3	
10/2	Concrete,Formwork and Reinforcement	10/7	
10/3	Masonry	10/10	
10/4	Waterproofing	10/11	
10/5	Roof Coverings	10/13	
10/6	Carpentry and Joinery	10/17	
10/7	Ceilings,Partitions and Access Flooring	10/20	
10/8	Ironmongery	10/24	
10/9	Metalwork	10/29	
10/10	Plastering	10/30	
10/11	Tiling	10/32	
10/12	Plumbing and Drainage	10/36	
10/13	Glazing	10/37	
10/14	Paintwork	10/39	
Carried to Final Summary			
Section No. 10 LARGE ADMINISTRATION BLOCK			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>NOTES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p>Excavations measured in successive depths of 2m.</p> <p><u>EXCAVATIONS</u></p> <p><u>Excavation in earth not exceeding 2m deep</u></p>			
11/1/1	Trenches	m3	29	
	<p><u>Extra over excavations in earth to trenches and holes for</u></p>			
11/1/2	Excavation in soft rock	m3	3	
11/1/3	Excavation in hard rock	m3	1	
	Carried Forward			R
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 1 Earthworks</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<p><u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 93% Mod AASHTO density</u></p> <p><u>CARTING AWAY OF EXCAVATED MATERIAL</u></p> <p><u>Note:</u> Description of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or , alternatively, from stock piles situated on the building site.</p>			
11/1/4	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3	17	
	<p><u>RISK OF COLLAPSE OF EXCAVATIONS</u></p> <p><u>Risk of collapse to side of excavation in earth not exceeding 1,5m deep</u></p>			
11/1/5	Trenches and holes	m2	97	
	<u>Keeping excavations free of water</u>			
11/1/6	Keeping excavations free of water		Item	
	<u>FILLING, ETC.</u>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
11/1/7	Backfilling to trenches, holes, etc	m3	13	
11/1/8	Under floors, steps, pavings, etc	m3	156	
	<u>Imported gravel filling (G7) stabilise with 2-3% cement compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
11/1/9	Backfilling to trenches, holes, etc	m3	4	
11/1/10	Under floors, steps, pavings, etc	m3	31	
	<u>Filling supplied by the Contractor under floors, trenches, etc.</u>			
11/1/11	Sub-base filling (G5) from excavations under solid floors, steps, etc. compacted to 95% modified AASHTO density in layers not exceeding 150mm thick	m3	31	
	Carried Forward			R
	Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 1 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>COMPACTION OF SURFACES</u>			
11/1/12	Prepare ground surface by scarifying sub-grade, rip and re-compact 150mm to 90% modified AASHTO density	m2	311
<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>			
<u>Protection against termites, ants, etc</u>			
11/1/13	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	311
11/1/14	To bottom and sides of excavated trenches, Holes, etc.	m2	126
Carried Forward to Summary of Section No.			R
Section No. 11			
MULTI PURPOSE CLASSROOM X 2			
Bill No. 1			
Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 2 Concrete,Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>15Mpa/19mm concrete</u></p>			
11/2/1	Blinding	m3	1	
	Carried Forward		R	
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 2 Concrete, Formwork and Reinforcement</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

		Brought Forward		R
		<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACE</u>		
		<u>25MPa/19mm Concrete</u>		
11/2/2	Strip footings	m3	7	
		<u>REINFORCED CONCRETE CAST IN FORMWORK</u>		
		<u>20Mpa/19mm concrete</u>		
11/2/3	Concrete Apron cast to fall etc,	m3	10	
		<u>25MPa/19mm Concrete</u>		
11/2/4	Surface beds cast in panels	m3	27	
		<u>TEST BLOCKS</u>		
		<u>Notes:</u>		
		Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)		
11/2/5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	22	
		<u>SUNDRIES TO CONCRETE</u>		
		<u>Surface treatment</u>		
11/2/6	Power float top surface of concrete surface bed to a true and even level finish	m2	311	
		<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>		
		<u>Rough formwork to sides</u>		
11/2/7	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	184	
		<u>Rough formwork to soffits</u>		
		<u>MOVEMENTS JOINTS ETC,</u>		
		<u>Saw cuts Joints</u>		
11/2/8	3 x 30mm In saw cut joints in floors	m	20	
		Carried Forward		R
		Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 2 Concrete,Formwork and Reinforcement		

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>BRICKWORK IN FOUNDATION</u></p>			
	Carried Forward		R	
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 3 Masonry</p>			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar, laid in stretcher bond with 10mm flush joints</u>		
11/3/1	One brick wall	m2	36
	<u>SUPERSTRUCTURE BRICKWORK</u>		
	<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>		
11/3/2	One brick wall	m2	224
11/3/3	Half brick wall, in beamfilling	m2	12
	<u>Mass brickwork in L-shaped piers of NFP brick in class II mortar laid in stretcher bond</u>		
11/3/4	345 x 345mm L-shaped Brick Piers	m3	1
	<u>FACE BRICKWORK</u>		
	Bricks shall be ordered timeously to obtain uniformity in size and colour		
	<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>		
11/3/5	Extra over brickwork for face brickwork in foundations (Provisional)	m2	73
11/3/6	Extra over brickwork for face brickwork in superstructure	m2	224
11/3/7	Extra over brickwork for face brickwork in brick-on-edge header course lintel	m	21
11/3/8	Extra over brickwork for face brickwork in brick-on-edge header course sills, bedded in mortar and set slightly sloped	m	21
11/3/9	Extra over brickwork for face brickwork to piers	m2	13
11/3/10	Extra over brickwork for face brickwork in beamfilling	m2	12
	<u>BRICKWORK SUNDRIES</u>		
	<u>Brickwork reinforcement</u>		
11/3/11	150mm Wide reinforcement built in horizontally.	m	881
Carried Forward			R
Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 3 Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>"Allied concrete" or similar approved prestressed fabricated lintels</u>		
11/3/12	100 x 70mm Lintels in lengths not exceeding 3m	m	26
	<u>Turning pieces</u>		
11/3/13	110mm Wide turning piece to flat brick lintels	m	21
	<u>Air bricks etc</u>		
11/3/14	Set of 2 240 x 155mm Terracota air bricks as per architects specification	No	2
	<u>Fair cutting to face brickwork</u>		
	<u>Roof ties</u>		
11/3/15	30 x 1.2mm galvanised steel strapping, built into wall for 5 courses and minimum 800mm to be fixed to trusses	No	77
	<u>MOVEMENTS JOINTS ETC,</u>		
	<u>Expansion joints</u>		
11/3/16	30mm softboard between vertical brick surfaces not exceeding 300mm wide	m2	7
Carried Forward to Summary of Section No.			R
Section No. 11			
MULTI PURPOSE CLASSROOM X 2			
Bill No. 3			
Masonry			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastic Brikgrip DPC" embossed damp proof course</u>			
11/4/1	Under walls	m2	3	
11/4/2	Under cills, etc.	m2	5	
	<u>One layer of 250 micron "USB Green" or similar approved dampproof membrane sealed at laps with PVC self -adhesive tape</u>			
11/4/3	Under surface beds.	m2	311	
	<u>JOINTS SEALANTS, ETC.</u>			
	<u>Mastic grey polysulphide sealing compound including raking out of joints filler as necessary</u>			
11/4/4	3 x 30mm In saw cut joints in floors	m	20	
11/4/5	10mm Isolation Joints between surface bed concrete and brick wall	m	82	
	Carried Forward to Summary of Section No.			R
	Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 4 Waterproofing			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 5</u></p> <p><u>ROOF COVERINGS</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ROOF SHEETING</u></p> <p><u>Similar Approved</u></p> <p><u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u></p>			
11/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	314	
11/5/2	550mm girth Ridge capping, 3 times bent and notched on site to suit roof profile	m	21	
11/5/3	550mm girth Hip capping, 3 times bent and notched on site to suit roof profile.	m	47	
	<p><u>FLASHING</u></p> <p><u>Similar Approved</u></p>			
	Carried Forward			R
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 5 Roof Coverings</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<u>0.58mm thick flashing galvanised flashing factory finished one side with "Chromadek - Traffic Green", fixed as per manufacturer's specification</u>			
11/5/4	375mm girth Headwall flashing, 2 times bent and notched on site to suit roof profile	m	17	
11/5/5	185mm girth Counter flashing, 2 times bent	m	17	
	<u>LOUVRES</u>			
	<u>Similar Approved</u>			
	<u>NTY Steelworks purpose-made louvre panels fixed to timber purlins including watertight heading joints, necessary sealing strips, fixing accessories etc., pre-painted to match roof sheeting</u>			
11/5/6	Steel triangular louvre, 1600 x 600mm high overall	No	8	
	<u>ROOF AND WALL INSULATION</u>			
	<u>Similar Approved</u>			
	<u>Sisalation "Bubble Foil" aluminium foil binded insulation</u>			
11/5/7	135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories	m2	314	
Carried Forward to Summary of Section No.				R
Section No. 11				
MULTI PURPOSE CLASSROOM X 2				
Bill No. 5				
Roof Coverings				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 6 Carpentry and Joinery</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Plate nailed timber roof truss construction</u>			
The following is applicable in respect of roof trusses:			
All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.			
Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.			
All joints to be close fitted butt joints.			
Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.			
The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.			
Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.			
<u>Roof trusses</u>			
11/6/1	Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan)	m2	262
<u>Sawn softwood</u>			
11/6/2	38 x 114mm Wall plates	m	92
<u>Sundries</u>			
11/6/3	Two coats creosote on sawn timbers	m2	34
<u>Similar Approved</u>			
Carried Forward			R
Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 6 Carpentry and Joinery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
11/6/4	<p><u>"Everite FC77" Fascia and badge boards</u></p> <p>15 x 225mm Pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per architect's specification</p> <p style="text-align: right;">m</p>	92	
<p><u>DOORS ETC</u></p> <p><u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u></p>			
11/6/5	<p>914 x 2032mm single door</p> <p style="text-align: right;">No</p>	2	
<p><u>WINDOWS</u></p> <p><u>Similar Approved</u></p> <p><u>"Nutec" fibre cement window cills</u></p>			
11/6/6	<p>150mm x 15mm thick fibre cement Window sill set flat and slightly projecting, with window sill lug screwed to underside of sill at 400mm centres, minimum of 75mm from end of window sill and bedded in 1:4 cement sand mortar with plastic slip joints at end of sills at plaster reveals and projecting from finished face of wall, all as per manufacturer's recommendations</p> <p style="text-align: right;">m</p>	21	
<p>Carried Forward to Summary of Section No.</p> <p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 6 Carpentry and Joinery</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p>			
	Carried Forward		R	
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
11/7/1	<p>2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails</p>	m2	200	
	<p><u>CORNICES</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
11/7/2	<p>75mm Coved cornice, plugged to brickwork</p>	m	82	
	<p><u>SUNDRIES</u></p> <p><u>Extra over for Trap Doors</u></p>			
11/7/3	<p>Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening</p>	No	2	
	<p><u>CEILING INSULATION</u></p>			
Carried Forward				R
<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 7 Ceilings,Partitions and Access Flooring</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
11/7/4	<p><u>Insulation</u></p> <p>125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.</p>	m2	200	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
		<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p>				
		Carried Forward				R
		<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 8 Ironmongery</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	<p style="text-align: center;">Brought Forward</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p> <p>AB Anodised bronze ABL Anodised black AG Anodised gold AN Anodised natural AS Anodised silver BS Satin bronze lacquered CH Chromium plated GE Grey enamelled NP Nickel plated PB Polished brass PL Polished and lacquered PT Epoxy coated SC Satin chromium plated SD Sanded SE Silver enamelled SN Satin nickel SS Stainless steel</p> <p><u>Rates</u></p> <p>The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 8 Ironmongery</p>			R	
				R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>DOOR FURNITURE</u>			
<u>Similar Approved</u>			
<u>Handles</u>			
11/8/1	SS Lever handle on rose with cylinder escutcheons (Code: TH120 Cyl S.S)	Sets	2.0
<u>Locks</u>			
11/8/2	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No	2
11/8/3	SC 150mm Cabin hook (Code: CH 150)	No	2
<u>Kick and push plates</u>			
11/8/4	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	4
<u>Panic hardware</u>			
11/8/5	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	2.0
11/8/6	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	2
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, etc.</u>			
Carried Forward			R
Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R	
11/8/7	<p><u>Pinning board consisting of pinning material/carpet surface laminated to a soft board core, complete with beading all around with a natural anodised aluminium channel surround, and surround mitred at the corners</u></p> <p>2400 x 1200mm high board (Colour: Light Grey), fixed to wall in strict accordance with manufacturer's recommendations</p>	No	8		
11/8/8	<p><u>Porcelain magnetic marker board, complete with anodised aluminium frame and slide-in aluminium pen tray</u></p> <p>2000 x 1300mm high board (Colour: White), fixed to wall in strict accordance with manufacturer's recommendations</p>	No	8		
	<p><u>SUNDRIES</u></p> <p><u>Approved</u></p>				
11/8/9	<p>"CZ8730SC" Door stop or similarly approved to wall or floors</p>	No	2		
	<p>Carried Forward to Summary of Section No.</p>			R	
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 8 Ironmongery</p>				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p> <p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p>			
	Carried Forward		R	
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
<p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p> <p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p> <p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p> <p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p> <p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p>				
Carried Forward				
<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 9 Metalwork</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p> <p><u>WELDED SCREENS, GATES, ETC.</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 9 Metalwork</p>		R	

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
11/9/1	<p><u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u></p> <p>Steel gate to door, size 914mm x 2032mm high</p>	No	2
<u>PRESSED STEEL DOOR FRAMES</u>			
11/9/2	<p><u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p> <p>914 x 2032mm single door</p>	No	2
<u>WINDOWS FRAMES, etc.</u>			
11/9/3	<p><u>Standard mild steel school type Top-hung open out window frame (with brass fittings), with burglar bars to opening and fixed sections, consisting of 10mm diameter mild steel round bars to standard NBP2 pattern, welded at intersections and window frames, all as per architect's specification</u></p> <p>Window size 1143 x 900mm high</p>	No	18
Carried Forward			R
<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<p><u>MESH IN CEILING VOIDS</u></p> <p><u>304/VEM 320G expanded metal mesh size 1200mm x 2400mm manufactured in accordance with SANS 190-1:1983 fixed to 76 x 50mm timber purlins using 40x 0.5mm hat channels @ 400mm centres with 12 x 20mm tac screws.</u></p>			
11/9/4	In Ceiling voids	m2	200	
	<p><u>STEEL COLUMNS AND BEAMS</u></p> <p><u>Welded columns and beams in single lengths with flat section bearer and connection plates bolted and welded to</u></p>			
11/9/5	76 x 76 x 3mm x 6.54kg/m Mild steel square tubing column	kg	160	
	Carried Forward to Summary of Section No.			R
	Section No. 11			
	MULTI PURPOSE CLASSROOM X 2			
	Bill No. 9			
	Metalwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>SCREEDS</u>			
	<u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u>			
11/10/1	30mm Thick on floors and landings	m2	159	
	<u>Granolithic screed on concrete, worked down to a true and even surface with a wood trowel</u>			
11/10/2	30mm Thick on floors	m2	33	
	<u>INTERNAL PLASTER</u>			
	<u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u>			
11/10/3	On brick walls	m2	218	
11/10/4	On narrow widths	m2	22	
	Carried Forward to Summary of Section No.			R
	Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 10 Plastering			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p>			
	Carried Forward		R	
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 11 Tiling</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
	<p><u>Note</u></p> <p>All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.</p> <p><u>FLOOR TILING</u></p> <p><u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u></p>			
11/11/1	On floors	m2	159	
11/11/2	75mm high skirting	m	71	
	<p><u>ATTIC STOCK</u></p>			
11/11/3	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	16	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 11 Tiling</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p> <p><u>Laying, backfilling, bedding, etc., of pipes:</u></p> <p>Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions</p>			
	Carried Forward		R	
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No.1, shall equally apply to this Bill.			
<u>RAINWATER GOODS</u>			
<u>Similar Approved</u>			
<u>Gutters</u>			
11/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	92
11/12/2	Extra over eaves gutter for stopped end	No	4
11/12/3	Extra over eaves gutter for corner	No	33
11/12/4	Extra over eaves gutter for outlet	No	8
<u>Rainwater downpipes</u>			
11/12/5	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	28
11/12/6	Extra over downpipe for offset	No	16
11/12/7	Extra over downpipe for shoe	No	8
Carried Forward to Summary of Section No.			R
Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 12 Plumbing and Drainage			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 13</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Note:</u></p> <p>All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400</p> <p><u>GLASS TO STEEL WITH PUTTY</u></p> <p><u>5mm clear floated glass fixed glazing putty</u></p>			
11/13/1	Panes exceeding 0.1m2 and not exceeding 0.5m2	m2	18	
	Carried Forward to Summary of Section No.			R
	Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 13 Glazing			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 14</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>FIBRE CEMENT</u></p> <p><u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u></p>			
11/14/1	On internal ceilings and cornices	m2	611	
11/14/2	Fibre cement fascias boards not exceeding 300mm high or wide painted on both side	m	188	
	<p><u>Prepare and apply one coat alkali resistant sealer and two coats mat enamel paint, colour to be confirmed by architect</u></p>			
11/14/3	Fiber cement window sill not exceeding 300mm high or wide	m	64	
	<p><u>FLOATED PLASTER INTERNAL WALLS</u></p> <p><u>Prepare and apply one coat merit universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by architect</u></p>			
11/14/4	Plastered walls	m2	1 383	
	<p><u>METAL SURFACES</u></p>			
	Carried Forward			R
	<p>Section No. 11 MULTI PURPOSE CLASSROOM X 2 Bill No. 14 Paintwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by architect</u>			
11/14/5	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	58
11/14/6	On window frames	m2	71
11/14/7	On door frames	m2	69
11/14/8	On gutters	m	188
11/14/9	On downpipes	m	78
<u>WOOD</u>			
<u>Prepare and apply one coat universal undercoat and two coats acrylic PVA, colour to be confirmed by architect</u>			
11/14/10	On door	m2	153
<u>Prepare and paint three coats clear varnish:</u>			
11/14/11	On door	m2	54
Carried Forward to Summary of Section No.			R
Section No. 11			
MULTI PURPOSE CLASSROOM X 2			
Bill No. 14			
Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
11/1	Earthworks	11/3	
11/2	Concrete,Formwork and Reinforcement	11/7	
11/3	Masonry	11/10	
11/4	Waterproofing	11/11	
11/5	Roof Coverings	11/13	
11/6	Carpentry and Joinery	11/17	
11/7	Ceilings,Partitions and Access Flooring	11/20	
11/8	Ironmongery	11/24	
11/9	Metalwork	11/29	
11/10	Plastering	11/30	
11/11	Tiling	11/32	
11/12	Plumbing and Drainage	11/34	
11/13	Glazing	11/35	
11/14	Paintwork	11/37	
Carried to Final Summary			
Section No. 11 MULTI PURPOSE CLASSROOM X 2			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 12</u></p> <p><u>BILL NO. 1</u></p> <p><u>DEMOLITIONS AND ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Subterranean water</u></p> <p>No subterranean water is expected</p> <p><u>Excavation for working space in rock</u></p> <p>Notwithstanding clause 11 page 8 of the Standard System of Measuring Building Work, excavation for working space in rock will be measured in cubic metres to the extent executed and given as "extra over" bulk excavation or trench and hole excavation as the case may be</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> <p style="text-align: center;">_____</p> <p><u>Testing</u></p> <p><i>Prices for filling are to include for all necessary density tests in accordance with SABS 1200D</i></p>			
	Carried Forward		R	
	<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 1 Demolitions and Alterations</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Existing structures</u></p> <p>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</p> <p><u>Services</u></p> <p>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.</p> <p><u>Dust and noise</u></p> <p>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.</p> <p><u>Disposal of debris</u></p> <p>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.</p> <p>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</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p><u>Temporary support to openings through existing walls</u></p> <p>Making openings, altering openings in existing walls and removing lintels 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.</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 1 Demolitions and Alterations</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Electrical and Mechanical</u></p> <p>Where items include for taking down electrical and mechanical fittings the disconnection and making safe electrically is deemed to be included.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>Tenderers are to inspect the drawings issued with these Bills of Quantities and to satisfy themselves with the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard.</p> <p>Tenderers are to read the descriptions, which are intended as a means of identifying various facets of the work, in conjunction with the drawings. Tenderers shall allow for all costs in connection with the various items taking full cognisance of both the drawings and the Bills of Quantities.</p> <p>Tenderers shall notify the Quantity Surveyor in writing of any discrepancies encountered upon which clarification will be given by the Quantity Surveyor in writing to the Tenderer. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard</p> <p>Tenderers are to note that setting out of the works will be the complete responsibility of the Tenderer and they should therefore acquaint themselves with the site boundaries, site co-ordinates, datum levels etc. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard.</p> <p>Tenderers are to note that all items with ZERO quantities are Rate Only items and should be priced as such.</p> <p>Tenderers are to note that there might be specified suppliers to be used for certain trades as per the annexure to this tender document. Tenderers should familiarise themselves with the suppliers on the list and ensure to allow for accordingly. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard.</p>			R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 1 Demolitions and Alterations</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<p>Tenderers are to fully acquaint themselves with the construction period and shall allow for any night shift if required. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard.</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Demolitions of existing structures all complete</u></p>			
12/1/1	<p>Single storey brick and mortar classroom block with pitched roof, comprising of surface bed, external and internal brick walls, corrugated roof covering on timber trusses, including wash hand basins & WC porcelain close couple and with plumbing complete.</p>	m2	1 104
12/1/2	<p>Single storey brick and mortar ablution block with pitched roof, comprising of surface bed, external and internal brick walls, corrugated roof covering on timber trusses, including wash hand basins & WC porcelain close couple and with plumbing complete.</p>	m2	28
12/1/3	<p>Single storey brick and mortar admin block with pitched roof, comprising of surface bed, external and internal brick walls, corrugated roof covering on timber trusses, including wash hand basins & WC porcelain close couple and with plumbing complete.</p>	m2	133
12/1/4	<p>Single storey library block with pitched roof, comprising of surface bed, external and internal brick walls, corrugated roof covering on timber trusses, including wash hand basins & WC porcelain close couple and with plumbing complete.</p>	m2	81
12/1/5	<p>Single storey nutrition centre block with pitched roof, comprising of surface bed, external and internal brick walls, corrugated roof covering on timber trusses, including wash hand basins & WC porcelain close couple and with plumbing complete.</p>	m2	77
12/1/6	<p>Single storey storage shack block with pitched roof, comprising of surface bed, external and internal brick walls, corrugated roof covering on timber trusses, including wash hand basins & WC porcelain close couple and with plumbing complete.</p>	m2	209
12/1/7	<p>Single storey brick and mortar classroom block with pitched roof, comprising of paving, corrugated roof covering on steel trusses, columns and beams</p>	m2	251
Carried Forward			R
<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 1 Demolitions and Alterations</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Breaking up/demolishing and removal of walls, slabs, surface beds etc</u>			
12/1/8	100mm thick concrete aprons	m2	208
12/1/9	25mm thick concrete screed	m2	97
<u>Taking down and removing panelling, ceilings, partitions, etc</u>			
12/1/10	Nailed-up ceilings including brandering	m2	909
12/1/11	Ceiling trap door	No	30
<u>Taking out and removing glass and mirrors</u>			
12/1/12	Glass from steel windows including cleaning out rebates and preparing to receive new glass	m2	192
<u>Taking up and removing floor coverings carpeting, tiles etc</u>			
12/1/13	Vinyl tile floor covering including preparing screed for new tile flooring	m2	540
<u>Taking out and removing doors, windows, etc including making good frame (paintwork measured elsewhere)</u>			
12/1/14	813mm x 2032mm high timber door including metal frame, ironmongery etc.	No	54
<u>Taking out and removing ironmongery</u>			
12/1/15	Remove pinning board and make good wall finishes	No	16
12/1/16	Remove green chalk board and make good wall finishes	No	8
12/1/17	Remove brass sliding stays, peg stay, handles window ironmongery	No	212
<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
12/1/18	Remove wash trough including all fittings and make good wall and floor finishes	No	2
12/1/19	Remove water closet with cistern and make good wall and floor finishes	No	28
12/1/20	Remove wash hand basin and make good wall finishes	No	18
Carried Forward			R
Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 1 Demolitions and Alterations			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No.1, shall equally apply to this Bill.			
	<u>NOTES</u>			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>Filling</u>			
	Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material			
	<u>EXCAVATION OTHER THAN BULK, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
12/2/1	Trenches	m3	16	
12/2/2	Holes	m3	25	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
12/2/3	Soft rock	m3	4	
12/2/4	Hard rock	m3	2	
	Carried Forward			R
	Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 2 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Extra over all excavations for carting away</u>			
12/2/5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	41
<u>Risk of collapse of excavations</u>			
12/2/6	Sides of trench excavations not exceeding 1.5m deep	m2	46
<u>Keeping excavations free of water</u>			
12/2/7	Keeping excavations free of water		Item
<u>FILLING, ETC.</u>			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick</u>			
12/2/8	Under floors, steps, pavings, etc	m3	5
<u>Selected (G5) layer earth filling supplied by the contractor, compacted in 150mm thick layers, compacted to 93% Mod AASHTO density</u>			
12/2/9	Under floors, steps, pavings, etc	m3	13
<u>COMPACTION OF SURFACES</u>			
<u>Prepare ground surface by scarifying for a depth of 150mm, breaking down oversized material, adding suitable material where necessary and re-compacting to 90% modified AASHTO density</u>			
12/2/10	Under floors, steps, paving, etc	m2	267
<u>WEED KILLERS, INSECTICIDES, TERMITES, etc.</u>			
<u>Protection against termites, ants, etc</u>			
12/2/11	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	267
12/2/12	Weedkiller: To bottoms and sides of trenches etc.	m2	79
Carried Forward to Summary of Section No.			R
Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 2 Earthworks			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7, "Tests" of SANS 1200 G, shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs, etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described. Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 3 Concrete, Formwork and Reinforcement</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	<p style="text-align: center;">Brought Forward</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks".</p> <p>The Tenderer is to note that for the "off-shutter" concrete finish shall be in accordance with the architectural specification 616 CON-140: Smooth + fair finish:-</p> <ul style="list-style-type: none"> · Degree of accuracy: I · Finish: Smooth and even · Form facing material to produce a smooth, hard, uniform texture on the concrete · Steel faced formwork. Joints grout-tight. · Panels shall be as large as practicable and arranged in a regular pattern as a feature of the surface · Formwork tie holes: to the approval of the architect · Repair imperfections: not allowed. Tie bolt holes shall be patched · Not permitted: blowholes, small fins, bulges, irregularities, voids, honeycombing, segregation and other large defects. · Concrete surfaces: No further treatment to form a smooth finish of uniform texture, appearance and colour <p>Structural Concrete</p> <p>Tenderers are referred to the Structural Engineer's - Standard Specifications which should be read before pricing this trade in particular, but also the other trades. The use of extenders, fly-ash, etc. are clearly described on this drawing.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>10MPa/19mm concrete</u></p>		R	
12/3/1	Surface blinding under bases	m3	3	
	<p style="text-align: center;">Carried Forward</p> <p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 3 Concrete, Formwork and Reinforcement</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>20MPa/19mm concrete</u>		
12/3/2	Footings	m3	22
12/3/3	Concrete apron, cast to falls	m3	21
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>		
	<u>25MPa/19mm Concrete</u>		
12/3/4	Ramps	m3	10
	<u>30MPa/19mm concrete</u>		
12/3/5	Surface beds	m3	3
	<u>TEST BLOCKS</u>		
	<u>Notes:</u>		
	Concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Regional Representative. Only successful tests will be paid for (Provisional)		
12/3/6	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	21
	<u>SUNDRIES TO CONCRETE</u>		
	<u>Surface treatment</u>		
12/3/7	Power float top surface of concrete surface bed to a true and even level finish	m2	249
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>		
	<u>Rough formwork to sides</u>		
12/3/8	Sloping sides of ramps not exceeding 600mm high extreme	m2	28
12/3/9	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	208
	<u>REINFORCEMENT</u>		
	<u>High tensile steel reinforcement</u>		
12/3/10	All diameter bars	t	0.16
	Carried Forward		
	Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 3 Concrete, Formwork and Reinforcement		R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
12/3/11	<p><u>Fabric reinforcement</u></p> <p>Type 193 mesh reinforcement in concrete surface beds, slabs, etc</p>	m2	25	
<p>Carried Forward to Summary of Section No.</p> <p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 3 Concrete, Formwork and Reinforcement</p>				R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 4</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brickseal" bitumen emulsion waterproofing coating.</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>BRICKWORK IN FOUNDATION</u></p>			
	Carried Forward		R	
	<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 4 Masonry</p>			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

Brought Forward			R
	<u>Brickwork of NFX bricks (14MPa nominal compressive strength) in class I mortar</u>		
12/4/1	One brick wall	m2	37
	<u>SUPERSTRUCTURE BRICKWORK</u>		
	<u>Brickwork of NFP brick in class II mortar laid in stretcher bond with 10mm flush joints</u>		
12/4/2	One brick wall	m2	254
12/4/3	Half brick wall	m2	11
	<u>FACE BRICKWORK</u>		
	Bricks shall be ordered timeously to obtain uniformity in size and colour		
	<u>"Corobrick" face bricks (Colour: TBC) with PC sum amount of R 4 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with recessed 6mm joints in both directions</u>		
12/4/4	Extra over brickwork for face brickwork in superstructure	m2	300
12/4/5	Extra over brickwork for face brickwork in brick-on-edge header coping	m	46
	<u>BRICKWORK SUNDRIES</u>		
	<u>Brickwork reinforcement</u>		
12/4/6	75mm wide reinforcement built in horizontally	m	33
12/4/7	150mm wide reinforcement built in horizontally.	m	865
	Carried Forward to Summary of Section No.		
	Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 4 Masonry		R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 5</u></p> <p><u>ROOF COVERINGS</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ROOF SHEETING</u></p> <p><u>Similar Approved</u></p> <p><u>0.6mm thick "Brownbuilt Klip-lok light Industrial" galvanised troughed roof sheeting with "Chromadek - Traffic Green" finish on one side, and 0.6mm galvanised steel accessories fixed to timber purlins or rails fixed in strict accordance to the manufacturer's instructions and fixed by an approved erector. A written and approved five (5) year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer</u></p>			
12/5/1	Roof sheeting pitch not exceeding 25 degrees	m2	170	
	<p><u>ROOF AND WALL INSULATION</u></p> <p><u>Similar Approved</u></p> <p><u>Sisalation "Bubble Foil" aluminium foil binded insulation</u></p>			
12/5/2	135mm thick Insulation laid over purlins (at approximately 750mm centres), fixed concurrent with sheeting with and including galvanised steel accessories	m2	170	
	Carried Forward to Summary of Section No.			R
	Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 5 Roof Coverings			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p> <p><u>Fixing</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p> <p><u>Descriptions</u></p> <p>Items described as "bolted" shall be deemed to exclude the bolts and include the holes unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	<p style="text-align: center;">Brought Forward</p> <p>Where the fixing of members is not stated it shall mean the nailing of one timber member to another.</p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screw sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screw sunk and pelleted.</p> <p>Shelving, etc. described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for all square cutting</p> <p>Descriptions of items given in linear metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>ROOFS, ETC</u></p> <p><u>Similar Approved</u></p> <p><u>Roof trusses</u></p> <p>12/6/1 Design, supply, take delivery, temporary store, hoist in position and erect plate nailed timber roof trusses, purlins, gang boarding, temporary and permanent bracing, etc (measured on plan) m2</p>	<p style="text-align: center;">R</p>	<p style="text-align: center;">131</p>	<p style="text-align: center;">R</p>
	<p style="text-align: center;">Carried Forward</p> <p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 6 Carpentry and Joinery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
<u>"Everite FC77" fascia and barge boards</u>				
12/6/2	15 x 225mm pressed fibre cement fascia boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per Architect's specification	m	197	
12/6/3	15 x 225mm pressed fibre cement barge boards, fixed to supports and roof timbers with one brass screw at maximum 750mm centres, including standard aluminium half round cover strips at all joints, as per Architect's specification	m	180	
<u>DOORS ETC</u>				
<u>44mm thick solid R&F panel meranti timber doors with masonite backing with 15 horizontal slates on both sides hung to steel frames</u>				
12/6/4	813 x 2032mm single door	No	24	
12/6/5	914 x 2032mm single door	No	20	
Carried Forward to Summary of Section No.				R
Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 6 Carpentry and Joinery				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p><u>Ceilings & Bulkheads</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p>			
	Carried Forward		R	
	<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward				R
	<p>Where electrical light fittings, diffusers, panels etc are units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>Suspension systems</u></p> <p>Where suspensions of ceilings require a sub-grid, the tenderer should include in his rates for the sub-grid. The design of the sub-grid support is not specified, the tenderer is to obtain the necessary requirements and recommendations for a safe installation from the board and suspension system manufacturer to the satisfaction of the structural engineer.</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>FIBRE - CEMENT BOARDS</u></p> <p><u>Similar Approved</u></p> <p><u>6mm "Everite Nutec" Fibre-cement boards, jointed with and including galvanised H-type primed pressed steel jointing strips, including brandering as per architect's specifications</u></p>			
12/7/1	2400 x 1200mm x 6mm Horizontal ceilings, fixed to and including 38 x 38mm sawn softwood brandering at maximum 400mm centres using 38mm long galvanised nails	m2	909	
12/7/2	Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing, with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	30	
	<p><u>CORNICES</u></p> <p><u>Similar Approved</u></p> <p><u>"Rhino" plasterboard cornice</u></p>			
12/7/3	75mm Coved cornice, plugged to brickwork	m	637	
	<p><u>CEILING INSULATION</u></p>			
	Carried Forward			R
	<p>Section No. 12 DEMOLISH 15 CLASSOOMS, 04 PIT TOILET & REFURB Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
12/7/4	<p><u>Insulation</u></p> <p>125mm thick Glass wool insulation blanket closely fitted and laid on top of ceiling panels, all in strict accordance with the manufacturer's specifications.</p>	m2	909	
	Carried Forward to Summary of Section No.			R
	<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 7 Ceilings,Partitions and Access Flooring</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.</p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
	Carried Forward		R	
	<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p> <p>AB Anodised bronze ABL Anodised black AG Anodised gold AN Anodised natural AS Anodised silver BS Satin bronze lacquered CH Chromium plated GE Grey enamelled NP Nickel plated PB Polished brass PL Polished and lacquered PT Epoxy coated SC Satin chromium plated SD Sanded SE Silver enamelled SN Satin nickel SS Stainless steel</p> <p><u>Rates</u></p> <p>The tenderer is to price for supply, taking delivery of, storing and fixing of the ironmongery listed below.</p> <p><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, etc.</u></p> <p><u>Pinning board consisting of pinning material/carpet surface laminated to a soft board core, complete with beading all around with a natural anodised aluminium channel surround, and surround mitred at the corners</u></p>			
12/8/1	<p>2400 x 1200mm high board (Colour: Light Grey), fixed to wall in strict accordance with manufacturer's recommendations</p>	No	16
<p><u>Porcelain magnetic marker board, complete with anodised aluminium frame and slide-in aluminium pen tray</u></p>			
12/8/2	<p>2000 x 1300mm high board (Colour: White), fixed to wall in strict accordance with manufacturer's recommendations</p>	No	16
<p><u>DOOR FURNITURE</u></p>			
Carried Forward			R
<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 8 Ironmongery</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Similar Approved</u>			
<u>Handles</u>			
12/8/3	SS Pull handle BT fixed on a 75 x 170 x 1.2mm thick Grade 430 steel plate with no cylinder cutout, with steel plate to have 4 countersunk holes for screw fixing (Code: DHP-430-BL 75X170)	No	28
<u>Locks</u>			
12/8/4	SS Bathroom deadlock, with case size 102 x 78mm, with forend size 155 x 22mm, with 57mm backset (Code: D032D SS)	No	28
12/8/5	SN 43mm five pin Euro-profile single cylinder master keyed (Code: DSC104301 MK)	No	26
12/8/6	SC 150mm Cabin hook (Code: CH 150)	No	18
12/8/7	SS bathroom WC indicator (red and white) and turnknob (Code: DWC-005)	Sets	28.0
<u>Kick and push plates</u>			
12/8/8	SS 200 x 813 x 1.2mm thick Grade 430 kick plate, with 10 countersunk holes for screw fixing (Code: DKP-430-200)	No	108
12/8/9	SS 75 x 170 x 1.2mm thick Grade 430 steel plate, with steel plate to have 4 countersunk holes for screw fixing (Code: DPP-430-BL 75X170)	No	28
<u>Panic hardware</u>			
12/8/10	Three point locking panic bar for single door (Code: PHA3/S DD)	Sets	18.0
12/8/11	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	18
<u>Sundries</u>			
12/8/12	Male / Female fixing screws (Qty 4 per pack)	Sets	36.0
12/8/13	SS Hat and coat hook with rubber buffer (Code: DHC-SS-031B)	No	28
<u>WINDOW FURNITURE</u>			
<u>Similar Approved</u>			
12/8/14	Brass peg stay	No	52
Carried Forward			R
Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 8 Ironmongery			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward			R
12/8/15	Brass handle	No	160	
12/8/16	Brass sliding stay	No	160	
Carried Forward to Summary of Section No.				
Section No. 12				
DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB				
Bill No. 8				
Ironmongery				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>SPECIFICATIONS</u></p> <p>User Note:</p> <p><u>Glazing</u></p> <p>All Safety glazing material (individual panes) are to conform to all standards as stipulated in SANS 10400 Part N and SANS 10137 and any additional Engineer Specifications or relevant SANS glazing regulations not stipulated in this document. All tenderers are referred to the drawings for the glazing specification.</p> <p><u>Ironmongery</u></p> <p>All rates for windows, shopfronts and doors etc. must include for the supply, taking delivery or/and installation of the ironmongery to be specified.</p> <p><u>Actuators</u></p> <p>All rates for shopfronts with actuators to include for the supply and installation of actuators as specified</p>			
	Carried Forward			R
	<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 9 Metalwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
<p><u>Scaffolding</u></p> <p>All scaffolding should be provided by the contractor and no claims/ qualifications will be accepted.</p> <p><u>Protection</u></p> <p>With this tender, the glazing sub-contractor must supply a statement concerning protection that will be provided to finishes and components until Practical Completion. This to include specific references to the method of removal of such protection. All tenderers to include cost of protection in tender price.</p> <p><u>Installation</u></p> <p>All measurements to be checked on site prior to ordering and manufacturing.</p> <p>Aluminium sections and shop drawings to be accepted by Architect prior to manufacturing.</p> <p>Allow for water and weather proof polysulphide sealant to approved specifications all around frame junctions to plaster and other materials.</p> <p><u>Profiles</u></p> <p>Tenderers to provide typical details of proposed aluminium section to be used in the design.</p> <p><u>Structural Silicone</u></p> <p>Tenderers to allow a 10 year guarantee on all powdercoating.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p>				
Carried Forward				
<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 9 Metalwork</p>			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

<p style="text-align: center;">Brought Forward</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p>Note: All windows and doors should be read in conjunction with window and door schedules</p> <p><u>WELDED SCREENS, GATES, ETC.</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 9 Metalwork</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<p><u>Welded MS gate consisting of 50 x 50 x 2.5mm rectangular tubing section frame with 45 degrees mitre at corners, bolted to reveals with 10mm (10M) rawlbolts and welded with 50 x 50 x 5mm mild steel to walls, with 50 x 50 x 2.5mm mild steel rectangular tube gate leaf with 45 degree mitre at corners and two 50 x 50 x 2.5mm horizontal sections, with 12 x 12mm mild steel vertical style solid square bars at 100mm c/c, including 3x pair of 20mm diameter bullet-hinges per gate, with "Solid blesbok" 460/313 four lever lockset with rebate set, including welding, bolting, holes, bolts etc., all complete as per the architect's specifications</u></p>		
12/9/1	Steel gate to door, size 914mm x 2032mm high	No	20
	<p><u>Welded MS screen consisting of 10mm diameter bars, all complete as per the architect's specifications</u></p>		
12/9/2	Steel screen to window, size 500 x 600mm high	No	28
12/9/3	Steel screen to window, size 1000 x 600mm high	No	12
12/9/4	Steel screen to window, size 1460 x 1189mm high	No	8
12/9/5	Steel screen to window, size 1460 x 1533mm high	No	72
	<p><u>PRESSED STEEL DOOR FRAMES</u></p> <p><u>1.2mm thick Single rebated frame suitable for half brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p>		
12/9/6	813 x 2032mm single door	No	24
	<p><u>1.2mm thick Single rebated frame suitable for one brick walls, complete with lugs and base ties, with red oxide primer factory finish by manufacturer</u></p>		
12/9/7	914 x 2032mm single door	No	20
	<p><u>MESH IN CEILING VOIDS</u></p> <p><u>304/VEM 320G expanded metal mesh size 1200mm x 2400mm manufactured in accordance with SANS 190-1:1983 fixed to 76 x 50mm timber purlins using 40x 0.5mm hat channels @ 400mm centres with 12 x 20mm tac screws.</u></p>		
12/9/8	In ceiling voids	m2	640
Carried Forward to Summary of Section No.			R
Section No. 12			
DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB			
Bill No. 9			
Metalwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 10</u></p> <p><u>PLASTERING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p><u>SCREEDS</u></p> <p><u>1:4 Cement sand screed on concrete, worked down to a true and even surface with a steel trowel</u></p>			
12/10/1	30mm thick on floors and landings	m2	775	
	<p><u>INTERNAL PLASTER</u></p> <p><u>One coat smooth 1:5 cement sand plaster on brickwork to receive finish</u></p>			
12/10/2	On brick walls	m2	225	
	Carried Forward to Summary of Section No.			R
	Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 10 Plastering			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Pricing</u></p> <p>Prices are to included for the following: Cutting, handling, labour, adhesive etc.</p> <p><u>Fixing</u></p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed, grouted and pointed with suitable adhesives and grouts, as recommended by the Architect. Costs are hereby deemed to include the cost of this requirement.</p> <p>Payment for work that is deemed measurable, in respect of the conditions of contract, and which comprises cutting, leaving, or forming, rectangular holes and notches through tiling is hereby deemed to apply only to holes and notches that do not exceed 600mm girth. Those exceeding 600mm in girth are hereby deemed to be "square cutting", which is hereby deemed to be part of the work description for that type of tiling and is not measurable as a separate item of work.</p> <p><u>Wastage</u></p> <p>Tile wastage in excess of 10% will be for the tenderer's account.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 11 Tiling</p>			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
	<u>Note</u>		
	All scaffolding should be provided by the contractor and no claims/qualifications will be accepted.		
	<u>WALL TILING</u>		
	<u>FLOOR TILING</u>		
	<u>420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site), includes waste, laying, supply and fixing with an approved adhesive and jointing in waterproof cementitious grout</u>		
12/11/1	On floors	m2	637
12/11/2	75mm high skirting	m	596
	<u>ATTIC STOCK</u>		
12/11/3	420 x 420 x 11.5mm Thick non-slip ceramic tiles (P.C allowance of R 200.00/m2 excludes V.A.T. but includes delivery to site)	m2	64
	<u>SUNDRIES</u>		
	<u>10mm aluminium straight edge trim</u>		
12/11/4	Dividing strip between tiles and door frames	m	15
Carried Forward to Summary of Section No.			R
Section No. 12			
DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB			
Bill No. 11			
Tiling			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p><u>Excavations:</u></p> <p>No claim for excavation in material other than "earth" will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling, and has obtained, in writing , authorised classification thereof.</p> <p>"Intermediate material" and " hard rock" shall be as defined in "Earthworks".</p> <p>Quantities of all excavations, carting away excavated material and backfilling are calculated on the nett extent to be formed, or filled, in accordance with drawings and specifications, and the Contractor is to allow in his prices for any bulking.</p> <p>Classes of excavation shall be as S.A.B.S 1200D clause 3.1.2.</p> <p><u>Laying, backfilling, bedding, etc., of pipes:</u></p> <p>Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions</p>			
	Carried Forward		R	
	<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 12 Plumbing and Drainage</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>GENERAL NOTES TO TENDERERS</u>			
General notes, described in Bill No.1, shall equally apply to this Bill.			
<u>RAINWATER GOODS</u>			
<u>Similar Approved</u>			
<u>Gutters</u>			
12/12/1	100 x 100 x 0.6mm thick Ogee profile eaves gutter aluminium box gutter, fixed with and including fixing clips to fascia boards	m	197
12/12/2	Extra over eaves gutter for outlet	No	23
<u>Rainwater downpipes</u>			
12/12/3	100mm diameter x 0.6mm thick rainwater downpipe with Chromadek finish (Colour: TBC), fixed with and including brackets to wall face, with brackets spaced as per manufacturer's recommendations, and with downpipes spaced as per engineer's specification	m	81
12/12/4	Extra over rainwater pipe for offset	No	31
12/12/5	Extra over rainwater pipe for shoe	No	23
12/12/6	Extra over rainwater pipe for bend	No	27
<u>SANITARY FITTINGS</u>			
Refer to sanitary schedule drawing for full description of abbreviations			
<u>URINAL</u>			
<u>Similar Approved</u>			
<u>Vaal Sanitaryware "Lavatera" vitreous china wall hung urinal with top inlet (Code: 705426) or back inlet (Code: 705427), overall size 600 x 385 x 380mm, incl. top inlet fittings (Code: 7054Z1) and back fittings (Code: 7054Z2), incl. 38mm CP domical grating, incl. spreader with 20mm diameter thread, and incl. 2x hanger brackets (PC allowance of R950.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>			
12/12/7	Urinal, installed complete	No	1
Carried Forward			R
Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 12 Plumbing and Drainage			

LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL

		Brought Forward		R
<u>WASH HAND BASINS</u>				
<u>Similar Approved</u>				
<u>Vaal Sanitaryware "Hibiscus" vitreous china basin with three semi-punched holes tap holes, including integrated overflow, including chain stay hole through the centre semi-punched tap hole, supplied with plug and chain, hung to walls (PC allowance of R450.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>				
12/12/8	WHB, installed complete	No	18	
<u>WATER CLOSET</u>				
<u>Similar Approved</u>				
<u>Vaal Sanitaryware "Daisy" semi-close coupled water closet comprising double flap heavy duty thermoplastic seat rim pan and matching 9 litre cistern complete with lid, fitments and flush pipe elbow (PC allowance of R2 800.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>				
12/12/9	WC, installed complete	No	28	
<u>SINKS, etc.</u>				
<u>Concrete double wash trough 1400 x 530 x 340mm deep with outlets and three pedestals (PC allowance of R780.00/no excludes V.A.T. but includes delivery to site), includes waste, supply and fixing</u>				
12/12/10	Wash trough, installed complete	No	2	
<u>TOILET ROLL HOLDER</u>				
<u>To be approved by Architect</u>				
12/12/11	130 x 560 x 130mm mild steel vandal proof Toilet paper roll holder (Colour: White), plugged and screwed to walls	No	28	
<u>TAPS, VALVES, ETC</u>				
<u>Similar Approved</u>				
12/12/12	15mm Cobra brass watertight hose Bib tap (Code: 108-15)	No	8	
		Carried Forward		R
Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 12 Plumbing and Drainage				

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>TANKS</u>			
	<u>Similar Approved</u>			
12/12/13	1900mm dia. x 2040mm high 2500L JoJo water storage tank (Colour: JoJo Green), installed on a brick base with compacted fill (measured elsewhere)	No	4	
	Pipes shall be laid and bedded, and trenches shall be carefully backfilled, in accordance with the specific instructions			
	<u>TESTING</u>			
12/12/14	Testing water pipe system		Item	
	<u>BUDGETARY ALLOWANCE</u>			
12/12/15	Allow an amount of R468 500.00 (Four Hundred and Sixty Eight Thousand Five Hundred) for the supply and installation of Sanitary Fitting Sundries		Item	468 500.00
	Carried Forward to Summary of Section No.			
	Section No. 12			
	DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB			
	Bill No. 12			
	Plumbing and Drainage			
			R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.			
	<u>GENERAL NOTES TO TENDERERS</u>			
	General notes, described in Bill No. 1, shall equally apply to this Bill.			
	<u>Note:</u>			
	All glazing to comply with SABS 1263 Part 3:1998. Light and ventilation to comply with Part O if NBR 0400			
	<u>GLASS TO STEEL WITH PUTTY</u>			
	<u>5mm clear floated glass fixed glazing putty</u>			
12/13/1	Panes not exceeding 0.1m2	m2	161	
12/13/2	Panes exceeding 0.1m2 and not exceeding 0.5m2	m2	31	
	<u>TOPS, SHELVES, DOORS, MIRROR ETC</u>			
	<u>6mm Polished plate float glass mirrors with square polished edges plugged with chrome plated detachable screws or similarly approved</u>			
12/13/3	Mirror 400 x 600 mm high	No	18	
	Carried Forward to Summary of Section No.			
	Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 13 Glazing			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 14</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>PAINTWORK TO PREVIOUS PAINTED</u></p> <p><u>FLOATED PLASTER INTERNAL WALLS</u></p> <p><u>Prepare and apply one coat merit universal undercoat and two coats super Acrylic PVA paint or similar approved, colour to be confirmed by Architect</u></p>			
12/14/1	On walls	m2	561	
	<p><u>METAL SURFACES</u></p> <p><u>Similar Approved</u></p> <p><u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by Architect</u></p>			
12/14/2	On window frames	m2	384	
	<p><u>PAINTWORK ETC TO NEW WORK</u></p> <p><u>FLOATED PLASTER INTERNAL WALLS</u></p> <p><u>Prepare and apply one coat merit universal undercoat and two coats super Acrylic PVA paint or similar approved, colour to be confirmed by Architect</u></p>			
12/14/3	On walls	m2	225	
	Carried Forward			R
	<p>Section No. 12 DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB Bill No. 14 Paintwork</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>FIBRE CEMENT</u>			
<u>Prepare and apply one coat universal undercoat and two coats Super Acrylic PVA paint or similar approved, colour to be confirmed by Architect</u>			
12/14/4	On internal ceilings and cornices	m2	971
12/14/5	Fibre cement fascia/barge boards	m2	236
<u>METAL SURFACES</u>			
<u>Similar Approved</u>			
<u>Prepare and apply one coat Duraphos, one coat universal under coat and two coats gloss enamel paint, colour to be confirmed by Architect</u>			
12/14/6	On gates, grilles, burglar screens, balustrades, etc (both sides measured on full flat area)	m2	440
12/14/7	On door frames	m2	160
12/14/8	On gutters	m	197
12/14/9	On downpipes	m	23
<u>WOOD</u>			
<u>Prepare and apply one coat universal undercoat and two coats acrylic PVA, colour to be confirmed by Architect</u>			
12/14/10	On door	m2	190
<u>BRICKWORK</u>			
<u>Similar Approved</u>			
<u>Three coats brick dressing</u>			
12/14/11	On face brickwork	m2	1 517
Carried Forward to Summary of Section No.			R
Section No. 12			
DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB			
Bill No. 14			
Paintwork			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	SECTION SUMMARY	Page No	Amount
12/1	Demolitions and Alterations	12/6	
12/2	Earthworks	12/8	
12/3	Concrete,Formwork and Reinforcement	12/12	
12/4	Masonry	12/14	
12/5	Roof Coverings	12/15	
12/6	Carpentry and Joinery	12/18	
12/7	Ceilings,Partitions and Access Flooring	12/21	
12/8	Ironmongery	12/25	
12/9	Metalwork	12/29	
12/10	Plastering	12/30	
12/11	Tiling	12/32	
12/12	Plumbing and Drainage	12/36	
12/13	Glazing	12/37	
12/14	Paintwork	12/39	
Carried to Final Summary			
Section No. 12 DEMOLISH 15 CLASSOOMS, 04 PIT TOILET & REFURB			R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 1</u></p> <p><u>BUDGETARY ALLOWANCES</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill.</p> <p>Provisional Sums are to be expended/utilized only upon:</p> <p>·i) the submission of a minimum of three market related quotations. Quotations for service providers may be solicited by any of the following entities: the main contractor, a member of the consultant team, the implementing agent or the end user.</p> <p><u>Cash discount</u></p> <p>The following provisional sums and prime cost amounts are NET and represent the NET COST of the work described. The contractor shall not be entitled to any discount, percentage or allowance whatsoever on the value of any provisional sum or prime cost amount other than the priced value for profit and attendance as provided for. The provisional sums and prime cost amounts may be deducted in whole or in part from the contract and are subject to adjustment upon completion</p> <p><u>Profit</u></p> <p>Where stated, the contractor may allow for profit if required</p>			
	Carried Forward		R	
	<p>Section No. 13 PROVISIONAL SUMS Bill No. 1 Budgetary Allowance</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<p><u>General attendance on nominated/selected subcontractors</u></p> <p>The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following:</p> <p><u>Builder's work</u></p> <p>Builder's work in connection with specialist services is given elsewhere in these bills of quantities</p> <p><u>LOCAL AUTHORITY FEES</u></p> <p><u>Local authority fees for connections</u></p>			
13/1/1	<p>Provide the sum of R35 000.00 (Thirty Five Thousand) for sewer, water and electrical connections, etc to the local authority</p>	Item		35 000.00
	<p><u>MOBILES ON SITE</u></p> <p><u>Relocation of mobiles</u></p>			
13/1/2	<p>Provide the sum of R250 000.00 (Two Hundred and Fifty Thousand) for the relocation of mobiles</p>	Item		250 000.00
	Carried Forward to Summary of Section No.			
	<p>Section No. 13 PROVISIONAL SUMS Bill No. 1 Budgetary Allowance</p>		R	

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>PREAMBLES</u></p> <p>NOTE : The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this bill.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>General notes, described in Bill No.1, shall equally apply to this Bill</p> <p>Provisional Sums are to be expended/utilized only upon:</p> <p>·i) the submission of a minimum of three market related quotations. Quotations for service providers may be solicited by any of the following entities: the main contractor, a member of the consultant team, the implementing agent or the end user.</p> <p><u>Cash discount</u></p> <p>The following provisional sums and prime cost amounts are NET and represent the NET COST of the work described. The contractor shall not be entitled to any discount, percentage or allowance whatsoever on the value of any provisional sum or prime cost amount other than the priced value for profit and attendance as provided for. The provisional sums and prime cost amounts may be deducted in whole or in part from the contract and are subject to adjustment upon completion</p> <p><u>Profit</u></p> <p>Where stated, the contractor may allow for profit if required</p>			
	Carried Forward		R	
	<p>Section No. 13 PROVISIONAL SUMS Bill No. 2 Provisional Sums</p>			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

	Brought Forward		R	
	<u>General attendance on nominated/selected subcontractors</u> The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following: <u>Builder's work</u> Builder's work in connection with specialist services is given elsewhere in these bills of quantities <u>Signage Installation</u>			
13/2/1	Allow an amount of R119 850.00 (One Hundred and Nineteen Thousand Eight Hundred and Fifty) for the supply and installation of Signage	Item		119 850.00
13/2/2	Attendance		%	
13/2/3	Profit		%	
	<u>Joinery Fittings</u>			
13/2/4	Allow an amount of R101 310.00 (One Hundred and One Thousand Three Hundred and Ten) for the supply and installation of Joinery Fittings	Item		101 310.00
13/2/5	Attendance		%	
13/2/6	Profit		%	
	<u>School Furniture and Fittings</u>			
13/2/7	Allow an amount of R2 865 000.00 (Two Million Eight Hundred and Sixty Five Thousand) for the supply and installation of School Furniture and Fittings	Item		2 865 000.00
13/2/8	Attendance		%	
13/2/9	Profit		%	
	Carried Forward		R	
	Section No. 13 PROVISIONAL SUMS Bill No. 2 Provisional Sums			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Brought Forward			R
<u>Community Liaison Officer</u>			
13/2/10	Allow an amount of R260 000.00 (Two Hundred and Sixty Thousand) for provision of Community Liaison Officer	Item	260 000.00
13/2/11	Attendance	%	
13/2/12	Profit	%	
<u>Project Steering Committee</u>			
13/2/13	Allow an amount of R52 000.00 (Fifty Two Thousand) for provision of Project Steering Committee	Item	52 000.00
13/2/14	Attendance	%	
13/2/15	Profit	%	
<u>Health and Safety Agent</u>			
13/2/16	Allow an amount of R360 000.00 (Three Hundred and Sixty Thousand) for provision of Health and Safety Agent	Item	360 000.00
13/2/17	Attendance	%	
13/2/18	Profit	%	
Carried Forward to Summary of Section No.			R
Section No. 13 PROVISIONAL SUMS Bill No. 2 Provisional Sums			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Bill No	<u>SECTION SUMMARY</u>	Page No		Amount
13/1	Budgetary Allowance	13/2		
13/2	Provisional Sums	13/5		
	Carried to Final Summary			R
	Section No. 13 PROVISIONAL SUMS			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	<u>MV RETICULATION</u>				
1.1	Provide the sum of R 230 000.00 for Supply and Install of 50kVA 22kV or 11kV/400V pole mounted transformer complete with structures and poles. Supply and install fox conductor ACSR incl. Meter Box c/w 3-phase meter	Sum	1		
1.2	Provide the sum of R30 000.00 for removal of an existing Eskom pole on site	Sum	1		
1.3	Profit	%	10		
1.4	Attendense	%	5		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	RATE	TOTAL
2	<u>LV RETICULATION</u>				
2.1	Distribution Kiosks, equipment as specified				
2.1.1	Main Kiosk	No	1		
2.1.2	Plinth	No	1		
2.2	Trenching Excavating, bedding, backfilling, consolidating and making good as specified,				
2.2.1	Pickable soil	m ³	175		
2.2.2	Hard rock	m ³	75		
2.2.3	Very hard rock	m ³	-		rate only
2.2.4	Backfilling and compaction	m ³	250		
2.3	110mm dia PVC sleeves for road crossings/cable entries into the building-rate must include for galv steel draw wires in spare sleeves and sealing of ends	m	120		
2.4	Concrete slabs for crossing of other services - rate must include installation 200mm below existing services	m	50		
2.5	Cable warning tape, 300mm above cables	m	80		
2.6	Cable markers, above cables	No	17		
2.7	600/1000V PVC SWA cables, in trenches and sleeves, including labels				
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD				
2.7.1	25mm ² 4core	m	100	
2.7.2	16mm ² 2core	m	775	
2.7.3	10mm ² 2core	m	400	
2.7.4	6mm ² 2core	m	110	
2.8	600/1000V Cable terminations, for PVC PVC SWA PVC Cu cables, for indoor or outdoor use, as required			
2.8.1	Gland no 5 complete with shroud	No	2	
2.8.2	Gland no 3 complete with shroud	No	24	
2.8.3	Gland no 2 complete with shroud	No	8	
2.9	Earth conductors (HDHC), including ends			
2.9.1	16mm ²	m	100	
2.9.2	10mm ²	m	775	
2.9.3	6mm ²	m	400	
2.9.4	4mm ²	m	110	
2.10	Testing of this section in the presence of the Employer and/or the Engineer, including all equipment, power generator, etc.	No	1	
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3	<u>LARGE ADMINISTRATION BLOCK</u>				
3.1	General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services Allowance must be made for the sitting of soil when required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall be carried out as specified for overall siteworks.				
3.1.1	Trenching through floor for sleeves	m ³			rate only
3.1.2	Excavation and backfilling in soft soil	m ³			rate only
3.1.3	Excavation and backfilling in hard rock	m ³			rate only
3.2	Cable and Data Sleeves Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
3.2.1	75mm Diameter for Data	m			rate only
3.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
3.2.3	75mm Diameter	No			rate only
3.2.4	110mm Diameter	No			rate only
3.3	Draw Wires Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation				
3.3.1		m	760		
3.4	Distribution Boards Supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal				
3.4.1	Distribution Board (DB-ADM)	No.	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
3.5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable which is quantified under LV Reticulation and Bare Copper Earth Wire in sleeves and in trenches				
3.5.1	16mm 4 core PVC SWA Cable	m			rate only
3.5.2	10mm BCEW	m			rate only
	Terminations:				
3.5.3	16mm 4 core cable	No	2		
3.5.4	10mm BCEW	No	2		
3.6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories. Built or Chase into brick or concrete work:				
3.6.1	20mm PVC Conduit	m	150		
3.6.2	25mm PVC Conduit	m	240		
	In Ceiling space and Timber work or along Purlins				
3.6.3	20mm PVC Conduit	m	260		
3.6.4	25mm PVC Conduit	m	90		
3.6.5	Girder clamp for chain and wire, STRUTFAST Type AH-1420	No.			rate only
3.6.6	Conduit Boxes supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.				
3.6.7	20mm diameter 4 way type(round box)	No	52		
3.6.8	450 x 450mm Bonding tray in roof space	No			rate only
3.7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work. Flush mounted type:				
3.7.1	100 x 50 x 50mm	No	13		
3.7.2	100 x 100 x 50mm	No	20		
3.7.3	88 x 275 x 62mm One tier cluster`	No	6		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD				
3.8	PVC Wiring in conduits:			
3.8.1	2.5 mm ² for lights circuits	m	680	
3.8.2	4 mm ² for plug sockets circuits	m	460	
	Stranded Bare Copper Earth Wire			
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.			
3.8.3	2.5 mm ²	m	680	
3.8.4	4 mm ²	m	460	
3.9	Light Switches			
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas			
3.9.1	16A Single Lever Light Switch	No	11	
3.9.2	2Way 16A Single Lever Light switch	No	2	
3.9.3	2 Lever 2 way	No		rate only
3.9.4	Outdoor Photocell Switch	No	1	
3.9.5	90 degree motion sensor light switch	No	4	
3.10	Socket Outlets			
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.			
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.			
	All flush type boxes and special pedestals measured elsewhere.			
	Flush switched sockets type:			
3.10.1	SA/Euro 16A Socket Outlet @1200 A.F.F.L	No	3	
3.10.2	SA/Euro 16A Socket Outlet @300 A.F.F.L	No	17	
	One Tier Cluster Wall Box Consisting of The Following:			
	- 16A Normal Socket Un-switched			
	- 16A Dedicated Socket Un-switched			
	- 5A 2 Pin Socket Un-switched			
3.10.3	- 2x RJ45 Data & Telephone Points	No	6	
TOTAL FOR BILL - CARRIED FORWARD				

TOTAL FOR BILL - BROUGHT FORWARD					
3.11	Light Fittings				
	Supply, delivery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories.				
	Fittings to be equal and similar approved to the below quoted manufacture.				
3.11.1	1200mm 34W LED IP66 Corrosion Proof Light Fitting	No	25		
3.11.2	8 Inch 15W LED Downlight	No	16		
3.11.3	10W LED Rondo Downlight with Dali Modification	No	11		
3.11.4	15W LED Round Bulkhead with Dali Modification	No	8		
3.12	Electrical Tests				
	Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.				
3.12.1	Building installation	Sum	1		
3.13	Others				
3.13.1	2 compartment power skirting installed in offices	m	20		
3.13.2	Telephone points on Powerskirting; must include draw box, blank cover plate, etc,	No	4		
3.13.3	Telephone points on Powerskirting; must include draw box, blank cover plate, etc,	No			rate only
3.13.4	Provide the sum of R18000-00 for earthing and lightning protection installations by specialist	Sum	1		
3.13.5	20A 2pole Isolator, in suitable York Box, for HVAC	No	4		
3.13.6	Supply and install a 150L Solar Water Geyser	No			rate only
3.13.7	Provide the sum of R5500-00 for the supply and installation of school motorised siren c/w timer	Sum	1		
3.13.8	40A Isolator points with complete and suitable fitting, for geyser or cooker	No			rate only
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4	<u>4 CLASSROOM BLOCK</u>				
4.1	General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall				
4.1.1	Trenching through floor for sleeves	m ³			rate only
4.1.2	Excavation and backfilling in soft soil	m ³			rate only
4.1.3	Excavation and backfilling in hard rock	m ³			rate only
4.2	Cable and Data Sleeves Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
4.2.1	75mm Diameter for Data	m			rate only
4.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
4.2.3	75mm Diameter	No			rate only
4.2.4	110mm Diameter	No			rate only
4.3	Draw Wires Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation				
4.3.1		m	1000		
4.4	Distribution Boards supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal				
4.4.1	Distribution Board	No.	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
4.5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable which is quantified under LV Reticulation and Bare Copper Earth Wire in sleeves and in trenches				
	Terminations:				
4.5.1	16mm 2 core cable	No	2		
4.5.2	16mm BCEW	No	2		
4.6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories.				
	Built or Chase into brick or concrete work:				
4.6.1	20mm PVC Conduit	m	120		
4.6.2	25mm PVC Conduit	m	440		
	In Ceiling space and Timber work or along Purlins				
4.6.3	20mm PVC Conduit	m	400		
4.6.4	25mm PVC Conduit	m	40		
	Girder clamp for chain and wire, STRUTFAST Type AH-1420	No.			rate only
4.6.5	Conduit Boxes Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.				
4.6.6	20mm diameter 4 way type(round box)	No	50		
4.6.7	450 x 450mm Bonding tray in roof space	No			rate only
4.7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.				
	Flush mounted type:				
4.7.1	100 x 50 x 50mm	No	8		
4.7.2	100 x 100 x 50mm	No	12		
4.7.3	88 x 275 x 62mm one tier cluster	No	4		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
4.8	PVC Wiring in conduits:				
4.8.1	2.5 mm ² for lights circuits	m	800		
4.8.2	4 mm ² for plug sockets circuits	m	470		
	Stranded Bare Copper Earth Wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
4.8.3	2.5 mm ²	m	800		
4.8.4	4 mm ²	m	470		
4.9	Light Switches				
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
4.9.1	16A Single Lever Light Switch	No	4		
4.9.2	2Way 16A Single Lever Light switch	No			rate only
4.9.3	2 Lever 2 way	No			rate only
4.9.4	Outdoor Photocell Switch	No	1		
4.10	Socket Outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.				
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.				
	All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
4.10.1	SA/Euro 16A Socket Outlet @300 A.F.F.L	No	12		
	One tier cluster wall box consisting of the following:				
	- 16A Normal Socket Un-switched				
	- 16A Dedicated Socket Un-switched				
	- 5A 2 Pin Socket Un-switched				
4.10.2	- 2x RJ45 Data & Telephone Points	No	4		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
4.11	Light Fittings				
	Supply, delievery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories.				
	Fittings to be equal and similar approved to the below quoted manufacture.				
4.11.1	1200mm 34W LED IP66 Corrosion Proof Light Fitting	No	16		
4.11.2	15W LED Round Bulkhead with Dali Modification	No	10		
4.12	Electrical Tests				
	Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.				
4.12.1	Building installation	Sum	1		
4.13	Others				
	Provide the sum of R10000-00 for earthing and lightning protection installations by specialist				
4.13.1		Sum	1		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5	<u>3 CLASSROOM BLOCK</u>				
5.1	General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall				
5.1.1	Trenching through floor for sleeves	m ³			rate only
5.1.2	Excavation and backfilling in soft soil	m ³			rate only
5.1.3	Excavation and backfilling in hard rock	m ³			rate only
5.2	Cable and Data Sleeves				
	Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
5.2.1	75mm Diameter for Data	m			rate only
5.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
5.2.3	75mm Diameter	No			rate only
5.2.4	110mm Diameter	No			rate only
5.3	Draw Wires				
5.3.1	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation	m	620		
5.4	Distribution Boards				
	supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal				
5.4.1	Distribution Board	No.	1		

TOTAL FOR BILL - CARRIED FORWARD					
TOTAL FOR BILL - BROUGHT FORWARD					
5.5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable which is quantified under LV Reticulation and Bare Copper Earth Wire in sleeves and in trenches				
5.5.1	10mm 4 core PVC SWA Cable	m			rate only
5.5.2	10mm BCEW	m			rate only
5.5.3	Terminations: 10mm 2 core cable	No	2		
5.5.4	10mm BCEW	No	2		
5.6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories. Built or Chase into brick or concrete work:				
5.6.1	20mm PVC Conduit	m	50		
5.6.2	25mm PVC Conduit	m	50		
5.6.3	In Ceiling space and Timber work or along Purlins 20mm PVC Conduit	m	300		
5.6.4	25mm PVC Conduit	m	200		
5.6.5	Girder clamp for chain and wire, STRUTFAST Type AH-1420	No.			rate only
5.6.6	Conduit Boxes Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.				
5.6.7	20mm diameter 4 way type(round box)	No	25		
5.6.8	450 x 450mm Bonding tray in roof space	No			rate only
5.7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work. Flush mounted type:				
5.7.1	100 x 50 x 50mm	No	6		
5.7.2	100 x 100 x 50mm	No	9		
5.7.3	88 x 275 x 62mm One tier cluster`	No	3		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
5.8	PVC Wiring in conduits:				
5.8.1	2.5 mm ² for lights circuits	m	400		
5.8.2	4 mm ² for plug sockets circuits	m	300		
	Stranded Bare Copper Earth Wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
5.8.3	2.5 mm ²	m	400		
5.8.4	4 mm ²	m	300		
5.9	Light Switches				
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
5.9.1	16A Single Lever Light Switch	No	6		
5.9.2	Outdoor Photocell Switch	No	1		
5.10	Socket Outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.				
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.				
	All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
5.10.1	SA/Euro 16A Socket Outlet @300 A.F.F.L	No	9		
	One tier cluster wall box consisting of the following:				
	- 16A Normal Socket Un-switched				
	- 16A Dedicated Socket Un-switched				
	- 5A 2 Pin Socket Un-switched				
5.10.2	- 2x RJ45 Data & Telephone Points	No	3		

TOTAL FOR BILL - CARRIED FORWARD					
TOTAL FOR BILL - BROUGHT FORWARD					
5.11	Light Fittings				
	Supply, delievery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories.				
	Fittings to be equal and similar approved to the below quoted manufacture.				
5.11.1	1200mm 34W LED IP66 Corrosion Proof Light Fitting	No	12		
5.11.2	15W LED Round Bulkhead with Dali Modification	No	10		
5.12	Electrical Tests				
	Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.				
5.12.1	Building installation	Sum	1		
5.13	Others				
5.13.1	Provide the sum of R8000-00 for earthing and lightning protection installations by specialist	Sum	1		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6	<u>2 CLASSROOM BLOCK</u>				
6.1	General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall				
6.1.1	Trenching through floor for sleeves	m ³			rate only
6.1.2	Excavation and backfilling in soft soil	m ³			rate only
6.1.3	Excavation and backfilling in hard rock	m ³			rate only
6.2	Cable and Data Sleeves				
	Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
6.2.1	75mm Diameter for Data	m			rate only
6.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
6.2.3	75mm Diameter	No			rate only
6.2.4	110mm Diameter	No			rate only
6.3	Draw Wires				
	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation				
6.3.1		m	440		
6.4	Distribution Boards				
	Supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal				
6.4.1	Distribution Board	No.	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD				
6,5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable which is quantified under LV Reticulation and Bare Copper Earth Wire in sleeves and in trenches			
	Terminations:			
6.5.1	10mm 2 core cable	No	2	
6.5.2	16mm BCEW	No	2	
6,6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories.			
	Built or Chase into brick or concrete work:			
6.6.1	20mm PVC Conduit	m	60	
6.6.2	25mm PVC Conduit	m	120	
	In Ceiling space and Timber work or along Purlins			
6.6.3	20mm PVC Conduit	m	200	
6.6.4	25mm PVC Conduit	m	60	
6.6.5	Girder clamp for chain and wire, STRUTFAST Type AH-1420	No.		rate only
6.6.6	Conduit Boxes Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.			
6.6.7	20mm diameter 4 way type(round box)	No	25	
6.6.8	450 x 450mm Bonding tray in roof space	No		rate only
6,7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.			
	Flush mounted type:			
6.7.1	100 x 50 x 50mm	No	4	
6.7.2	100 x 100 x 50mm	No	6	
6.7.3	88 x 275 x 62mm one tier cluster	No	2	
TOTAL FOR BILL - CARRIED FORWARD				

TOTAL FOR BILL - BROUGHT FORWARD					
6,8	PVC Wiring in conduits:				
6.8.1	2.5 mm ² for lights circuits	m	400		
6.8.2	4 mm ² for plug sockets circuits	m	235		
	Stranded Bare Copper Earth Wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
6.8.3	2.5 mm ²	m	400		
6.8.4	4 mm ²	m	235		
6,9	Light Switches				
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
6.9.1	16A Single Lever Light Switch	No	4		
6.9.2	2Way 16A Single Lever Light switch	No			rate only
6.9.3	Outdoor Photocell Switch	No	1		
6.9.4	90 degree motion sensor light switch	No			rate only
6,1	Socket Outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.				
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.				
	All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
6.10.1	SA/Euro 16A Socket Outlet @300 A.F.F.L	No	6		
	One tier cluster wall box consisting of the following:				
	- 16A Normal Socket Un-switched				
	- 16A Dedicated Socket Un-switched				
	- 5A 2 Pin Socket Un-switched				
6.10.2	- 2x RJ45 Data & Telephone Points	No	2		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
6,11	Light Fittings Supply, delievery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories. Fittings to be equal and similar approved to the below quoted manufacture.				
6.11.1	1200mm 34W LED IP66 Corrosion Proof Light Fitting	No	10		
6.11.2	15W LED Round Bulkhead with Dali Modification	No	6		
6,12	Electrical Tests Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.				
6.12.1	Building installation	Sum	1		
6,13	Others Provide the sum of R7000-00 for earthing and lightning protection installations by specialist				
6.13.1		Sum	1		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7	<u>GRADE R BLOCK (2 CLASSROOM)</u>				
7,1	General trenching workfor sleeves along the routes as pegged out on site after co-ordination with other services required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall				
7.1.1	Trenching through floor for sleeves	m ³			rate only
7.1.2	Excavation and backfilling in soft soil	m ³			rate only
7.1.3	Excavation and backfilling in hard rock	m ³			rate only
7,2	Cable and Data Sleeves Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
7.2.1	75mm Diameter for Data	m			rate only
7.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
7.2.3	75mm Diameter	No			rate only
7.2.4	110mm Diameter	No			rate only
7,3	Draw Wires Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation				
7.3.1		m	790		
7,4	Distribution Boards supply, delivery, storage and submission of worksnop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays,doors,switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized interna				
7.4.1	Distribution Board	No.	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
7,5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable which is quantified under LV Reticulation and Bare Copper Earth Wire in sleeves and in trenches				
	Terminations:				
7.5.1	10mm 2 core cable	No	2		
7.5.2	10mm BCEW	No	2		
7,6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories.				
	Built or Chase into brick or concrete work:				
7.6.1	20mm PVC Conduit	m	80		
7.6.2	25mm PVC Conduit	m	180		
	In Ceiling space and Timber work or along Purlins				
7.6.3	20mm PVC Conduit	m	450		
7.6.4	25mm PVC Conduit	m	80		
7.6.5	Girder clamp for chain and wire, STRUTFAST Type AH-1420	No.			rate only
7.6.6	Conduit Boxes supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.				
7.6.7	20mm diameter 4 way type(round box)	No	30		
7.6.8	450 x 450mm Bonding tray in roof space	No			rate only
7,7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.				
	Flush mounted type:				
7.7.1	100 x 50 x 50mm	No	8		
7.7.2	100 x 100 x 50mm	No	10		
7.7.3	88 x 275 x 62mm one tier cluster	No	2		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
7.8	PVC Wiring in conduits:				
7.8.1	2.5 mm ² for lights circuits	m	350		
7.8.2	4 mm ² for plug sockets circuits	m	250		
	Stranded Bare Copper Earth Wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
7.8.3	2.5 mm ²	m	350		
7.8.4	4 mm ²	m	250		
7.9	Light Switches				
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
7.9.1	16A Single Lever Light Switch	No	7		
7.9.2	2Way 16A Single Lever Light switch	No	2		
7.9.3	2 Lever 2 way	No			rate only
7.9.4	Outdoor Photocell Switch	No	1		
7.10'	Socket Outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.				
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.				
	All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
7.10.1	SA/Euro 16A Socket Outlet @300 A.F.F.L	No	6		
	One tier cluster wall box consisting of the following:				
	- 16A Normal Socket Un-switched				
	- 16A Dedicated Socket Un-switched				
	- 5A 2 Pin Socket Un-switched				
7.10.2	- 2x RJ45 Data & Telephone Points	No	2		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
7,11	Light Fittings Supply, delievery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories. Fittings to be equal and similar approved to the below quoted manufacture.				
7.11.1	1200mm 34W LED IP66 Corrosion Proof Light Fitting	No	12		
7.11.2	15W LED Round Bulkhead with Dali Modification	No	8		
7.11.3	10W LED Rondo Downlight with Dali Modification	No	12		
7,12	Electrical Tests Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.				
7.12.1	Building installation	Sum	1		
7,13	Others Provide the sum of R7000-00 for earthing and lightning protection installations by specialist				
7.13.1	protection installations by specialist	Sum	1		
7.13.2	20A 2pole Isolator, in suitable York Box, for HVAC	No	2		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8	<u>GRADE R BLOCK (3 CLASSROOM)</u>				
8,1	General trenching workfor sleeves along the routes as pegged out on site after co-ordination with other services required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall				
8.1.1	Trenching through floor for sleeves	m ³			rate only
8.1.2	Excavation and backfilling in soft soil	m ³			rate only
8.1.3	Excavation and backfilling in hard rock	m ³			rate only
8,2	Cable and Data Sleeves Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
8.2.1	75mm Diameter for Data	m			rate only
8.2.2	110mm Diameter for power cable	m			rate only
	Radius bends:				
8.2.3	75mm Diameter	No			rate only
8.2.4	110mm Diameter	No			rate only
8,3	Draw Wires Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation				
8.3.1		m	840		
8,4	Distribution Boards supply, delivery, storage and submission of worksnop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays,doors,switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized interna				
8.4.1	Distribution Board	No.	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD				
8,5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable which is quantified under LV Reticulation and Bare Copper Earth Wire in sleeves and in trenches			
	Terminations:			
8.5.1	10mm 2 core cable	No	2	
8.5.2	10mm BCEW	No	2	
8,6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories.			
	Built or Chase into brick or concrete work:			
8.6.1	20mm PVC Conduit	m	90	
8.6.2	25mm PVC Conduit	m	190	
	In Ceiling space and Timber work or along Purlins			
8.6.3	20mm PVC Conduit	m	470	
8.6.4	25mm PVC Conduit	m	90	
8.6.5	Girder clamp for chain and wire, STRUTFAST Type AH-1420	No.		rate only
8.6.6	Conduit Boxes supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.			
8.6.7	20mm diameter 4 way type(round box)	No	45	
8.6.8	450 x 450mm Bonding tray in roof space	No		rate only
8,7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work.			
	Flush mounted type:			
8.7.1	100 x 50 x 50mm	No	3	
8.7.2	100 x 100 x 50mm	No	10	
8.7.3	88 x 275 x 62mm one tier cluster	No	3	
TOTAL FOR BILL - CARRIED FORWARD				

TOTAL FOR BILL - BROUGHT FORWARD					
8,8	PVC Wiring in conduits:				
8.8.1	2.5 mm ² for lights circuits	m	400		
8.8.2	4 mm ² for plug sockets circuits	m	270		
	Stranded Bare Copper Earth Wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
8.8.3	2.5 mm ²	m	400		
8.8.4	4 mm ²	m	270		
8,9	Light Switches				
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
8.9.1	16A Single Lever Light Switch	No	3		
8.9.2	2Way 16A Single Lever Light switch	No			
8.9.3	2 Lever 2 way	No			rate only
8.9.4	Outdoor Photocell Switch	No	1		
8.10'	Socket Outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.				
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.				
	All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
8.10.1	SA/Euro 16A Socket Outlet @300 A.F.F.L	No	6		
	One tier cluster wall box consisting of the following:				
	- 16A Normal Socket Un-switched				
	- 16A Dedicated Socket Un-switched				
	- 5A 2 Pin Socket Un-switched				
8.10.2	- 2x RJ45 Data & Telephone Points	No	3		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
8,11	Light Fittings Supply, delievery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories. Fittings to be equal and similar approved to the below quoted manufacture.				
8.11.1	1200mm 34W LED IP66 Corrosion Proof Light Fitting	No	15		
8.11.2	15W LED Round Bulkhead with Dali Modification	No	8		
8.11.3	10W LED Roundo Downlight with Dali Modification	No	12		
8,12	Electrical Tests Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.				
8.12.1	Building installation	Sum	1		
8,13	Others Provide the sum of R8000-00 for earthing and lightning protection installations by specialist				
8.13.1	protection installations by specialist	Sum	1		
8.13.2	20A 2pole Isolator, in suitable York Box, for HVAC	No	3		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					R 0,00

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
9	<u>ABLUTION BLOCK (4 SEATER)</u>				
9,1	General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall				
9.1.1	Trenching through floor for sleeves	m ³			rate only
9.1.2	Excavation and backfilling in soft soil	m ³			rate only
9.1.3	Excavation and backfilling in hard rock	m ³			rate only
9,2	Cable and Data Sleeves Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
9.2.1	75mm Diameter for Data	m			rate only
9.2.2	113mm Diameter for power cable	m			rate only
	Radius bends:				
9.2.3	75mm Diameter	No			rate only
9.2.4	113mm Diameter	No			rate only
9,3	Draw Wires				
9.3.1	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation	m	50		
9,4	Distribution Boards supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal				
9.4.1	Distribution Board	No.	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
9,5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable which is quantified under LV Reticulation and Bare Copper Earth Wire in sleeves and in trenches				
9.5.1	4mm 2 core PVC SWA Cable	m			rate only
9.5.2	4mm BCEW	m			rate only
	Terminations:				
9.5.3	4mm 2core cable	No	2		
9.5.4	4mm BCEW	No	2		
9,6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories. Built or Chase into brick or concrete work:				
9.6.1	20mm PVC Conduit	m			rate only
9.6.2	25mm PVC Conduit	m	15		
	In Ceiling space and Timber work or along Purlins				
9.6.3	20mm PVC Conduit	m	10		
9.6.4	25mm PVC Conduit	m			rate only
9.6.5	Girder clamp for chain and wire, STRUTFAST Type AH-11320	No.			
	Conduit Boxes Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.				
9.6.6	20mm diameter 13 way type(round box)	No	7		
9.6.7	1350 x 1350mm Bonding tray in roof space	No			rate only
9,7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work. Flush mounted type:				
9.7.1	100 x 50 x 50mm	No	2		
9.7.2	100 x 100 x 50mm	No	2		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
9.8	PVC Wiring in conduits:				
9.8.1	2.5 mm ² for lights circuits	m	20		
9.8.2	4 mm ² for plug sockets circuits	m			rate only
	Stranded Bare Copper Earth Wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
9.8.3	2.5 mm ²	m	20		
9.8.4	4 mm ²	m			rate only
9.9	Light Switches				
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
9.9.1	1 Lever 1 way	No	2		
9.9.2	1 Lever 2 way	No			rate only
9.9.3	2 Lever 2 way	No			rate only
9.9.4	Outdoor Photocell Switch	No	1		
9.10'	Socket Outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.				
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.				
	All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
9.10.1	SA/Euro 16A Socket Outlet @300 A.F.F.L	No			rate only
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
9,11	Light Fittings				
	<p>Supply, delivery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories.</p> <p>Fittings to be equal and similar approved to the below quoted manufacture.</p>				
9.11.1	1200mm 313W LED IP66 Corrosion Proof Light Fitting	No			rate only
9.11.2	13W LED Rondo Downlight with Dali Modification	No	4		
9.11.3	10W LED Rondo Downlight with Dali Modification	No	4		
9.11.4	Type D1: 17 W Ceiling mounted downlighter	No			rate only
9.11.5	Type B1: Wall mounted bulkhead 2x 17W CFL	No			rate only
9,12	Electrical Tests				
	<p>Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.</p>				
9.12.1	Building installation	Sum	1		
9,13	Others				
9.13.1	2 compartment power skirting installed in offices	m			
9.13.2	Provide the sum of R2500-00 for earthing and lightning protection installations by specialist	Sum	1		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
10	<u>ABLUTION BLOCK (5 SEATER)</u>				
10,1	General trenching workfor sleeves along the routes as pegged out on site after co-ordination with other services required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall				
10.1.1	Trenching through floor for sleeves	m ³			rate only
10.1.2	Excavation and backfilling in soft soil	m ³			rate only
10.1.3	Excavation and backfilling in hard rock	m ³			rate only
10,2	Cable and Data Sleeves Supply and installation of PVC Sleeves through floor construction to power distribution board and communication board complete with standard radius sleeve bends				
10.2.1	75mm Diameter for Data	m			rate only
10.2.2	113mm Diameter for power cable	m			rate only
	Radius bends:				
10.2.3	75mm Diameter	No			rate only
10.2.4	113mm Diameter	No			rate only
10,3	Draw Wires Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation				
10.3.1		m	50		
10,4	Distribution Boards supply, delivery, storage and submission of worksnop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays,doors,switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized interna				
10.4.1	Distribution Board	No.	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
10,5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable which is quantified under LV Reticulation and Bare Copper Earth Wire in sleeves and in trenches				
10.5.1	4mm 2 core PVC SWA Cable	m			rate only
10.5.2	4mm BCEW	m			rate only
	Terminations:				
10.5.3	4mm 2core cable	No	2		
10.5.4	4mm BCEW	No	2		
10,6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories. Built or Chase into brick or concrete work:				
10.6.1	20mm PVC Conduit	m			rate only
10.6.2	25mm PVC Conduit	m	20		
	In Ceiling space and Timber work or along Purlins				
10.6.3	20mm PVC Conduit	m	20		
10.6.4	25mm PVC Conduit	m			rate only
10.6.5	Girder clamp for chain and wire, STRUTFAST Type AH-11320	No.			
	Conduit Boxes Supply and installation of SABS approved conduit boxes, installed in the run of the conduit installation, cast into concrete and built into brickwork or flush inside false ceiling spaces, complete with all required conduit termination accessories.				
10.6.6	20mm diameter 13 way type(round box)	No	10		
10.6.7	1350 x 1350mm Bonding tray in roof space	No			rate only
10,7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work. Flush mounted type:				
10.7.1	100 x 50 x 50mm	No	2		
10.7.2	100 x 100 x 50mm	No			
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
10,1	PVC Wiring in conduits:				
10.10.1	2.5 mm ² for lights circuits	m	30		
10.10.2	4 mm ² for plug sockets circuits	m			rate only
	Stranded Bare Copper Earth Wire				
	Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.				
10.10.3	2.5 mm ²	m	30		
10.10.4	4 mm ²	m			rate only
10,9	Light Switches				
	Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
10.9.1	1 Lever 1 way	No	2		
10.9.2	1 Lever 2 way	No			rate only
10.9.3	2 Lever 2 way	No			rate only
10.9.4	Outdoor Photocell Switch	No	1		
10,1	Socket Outlets				
	Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface.				
	The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification.				
	All flush type boxes and special pedestals measured elsewhere.				
	Flush switched sockets type:				
10.10.1	SA/Euro 16A Socket Outlet @300 A.F.F.L	No			rate only
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
10,11	Light Fittings				
	<p>Supply, delivery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories.</p> <p>Fittings to be equal and similar approved to the below quoted manufacture.</p>				
10.11.1	1200mm 313W LED IP66 Corrosion Proof Light Fitting	No			rate only
10.11.2	15W LED Round Bulkhead with Dali Modification	No	4		
10.11.3	10W LED Rondo Downlight with Dali Modification	No	9		
10.11.4	Type D1: 17 W Ceiling mounted downlighter	No			rate only
10.11.5	Type B1: Wall mounted bulkhead 2x 17W CFL	No			rate only
10,12	Electrical Tests				
	<p>Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.</p>				
10.12.1	Building installation	Sum	1		
10,13	Others				
10.13.1	2 compartment power skirting installed in offices	m			
10.13.2	Provide the sum of R2500-00 for earthing and lightning protection installations by specialist	Sum	1		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
11	<u>ABLUTION BLOCK (8 SEATER)</u>				
11,1	General trenching work for sleeves along the routes as pegged out on site after co-ordination with other services required, removal and carting away of all stones and rocks including dumping off site. Backfilling and compaction shall				
11.1.1	Trenching through floor for sleeves	m ³			rate only
11.1.2	Excavation and backfilling in soft soil	m ³			rate only
11.1.3	Excavation and backfilling in hard rock	m ³			rate only
11,2	Cable and Data Sleeves				
	construction to power distribution board and communication board complete with standard radius				
11.2.1	75mm Diameter for Data	m			rate only
11.2.2	113mm Diameter for power cable	m			rate only
	Radius bends:				
11.2.3	75mm Diameter	No			rate only
11.2.4	113mm Diameter	No			rate only
11,3	Draw Wires				
11.3.1	Supply and install a 0,6mm diameter galvanised draw wire in sleeves and conduit for data installation	m	55		
11,4	Distribution Boards				
	supply, delivery, storage and submission of workshop drawings for the Flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, copper busbars, neutral and earth bars, correctly sized internal				
11.4.1	Distribution Board	No.	1		
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
11.5	Low Voltage PVC Cables Supply and installation of PVC SWA PVC cable which is quantified under LV Reticulation and Bare Copper Earth Wire in sleeves and in trenches				
11.5.1	4mm 2 core PVC SWA Cable	m			rate only
11.5.2	4 mm BCEW Terminations:	m			rate only
11.5.3	4mm 2 core cable	No	2		
11.5.4	4mm BCEW	No	2		
11.6	Conduit Work Supply, delivery and installation of SABS approved PVC / Galvanised Conduits completed with all required conduit accessories. Built or Chase into brick or concrete work:				
11.6.1	20mm PVC Conduit	m	5		
11.6.2	25mm PVC Conduit In Ceiling space and Timber work or along Purlins	m	5		
11.6.3	20mm PVC Conduit	m	50		
11.6.4	25mm PVC Conduit	m	10		
11.6.5	Girder clamp for chain and wire, STRUTFAST Type AH-11320	No.			rate only
11.6.6	Conduit Boxes installed in the run of the conduit installation, cast into				
11.6.7	20mm diameter 13 way type(round box)	No	18		
11.6.11	1350 x 1350mm Bonding tray in roof space	No			rate only
11.7	Wall Boxes Supply and installation of SABS approved galvanised pressed steel wall boxes for building flush into brickwork or cast into concrete work. Flush mounted type:				
11.7.1	100 x 50 x 50mm	No	2		
11.7.2	100 x 100 x 50mm	No			
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
11,11	PVC Wiring in conduits:				
11.11.1	2.5 mm ² for lights circuits Stranded Bare Copper Earth Wire Supply and installation of stranded bare copper earth wire along with PVC wiring in conduits. Tendered rates shall make provision for wastage.	m	55		
11.11.2	2.5 mm ²	m	55		
11,9	Light Switches Supply and installation of SABS approved type 16A flush and surface type light switches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting meas				
11.9.1	1 Lever 1 way	No	2		
11.9.2	Outdoor Photocell Switch	No	1		
11,1	Socket Outlets Supply and installation of SABS approved switched and unswitched type flush and surface mounted type 16A switched socket outlets suitable for mounting in flush steel wall boxes or in steel pedestal units or on surface. The final colour of the paint finish shall be confirmed at a later stage, allowance shall be made as specified in the specification. All flush type boxes and special pedestals measured elsewhere. Flush switched sockets type:				
11.10.1	SA/Euro 16A Socket Outlet @300 A.F.F.L	No			rate only
TOTAL FOR BILL - CARRIED FORWARD					

TOTAL FOR BILL - BROUGHT FORWARD					
11,11	Light Fittings				
	Supply, delievery to site, storage and installation of the below specified light fittings complete with lamps, fixing material, mounting and tubes. Allowance must be made in the rates for all the required fixing materials and accessories.				
	Fittings to be equal and similar approved to the below quoted manufacture.				
11.11.1	1200mm 313W LED IP66 Corrosion Proof Light Fitting	No			rate only
11.11.2	15W LED Round Bulkhead with Dali Modification	No	5		
11.11.3	10W LED Rondo Downlight with Dali Modification	No	12		
11,12	Electrical Tests				
	Making provision for the required inspection, tests and the commissioning of the complete installation and the issuing of the required certificate.				
11.12.1	Building installation	Sum	1		
11,13	Others				
	Provide the sum of R5000-00 for earthing and lightning protection installations by specialist				
11.13.1		Sum	1		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QUANTITY		
9	Area Lighting				
12.1	Supply and installation of SABS approved light fittings as per the specification, complete with lamps, mounted as described including accessories necessary to complete the mounting as specified and are measured separately				
12.1.1	3,5m Steel Pole with brackets and foundation bolts including Delivery to Site and offloading	Sum	4		
12.1.2	54W LED Post Top 4000K as described including accessories	no.	4		
12.1.3	22W LED Vapour Proof Light Fitting IP65	No	80		
12.2	Cabling				
	PVC Wiring :				
12.2.1	4mm ² x 2core copper cable	m	800		
12.2.2	2.5mm ² bare copper earth wire (BCEW)	m	800		
12.3	TESTING AND COMISSIONING				
12.3.1	Testing and comissioning of the entire medium and low voltage network and area lighting including the provision of all test equipment required and issuing of a certificate of compliance for the installation.	Sum	1		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
13	<u>PROVISIONAL AMOUNTS : ICT</u>				
13.1	Provide the sum of R 52 174.00 for the instalation of Information and Communication Technologies by specialist service provider in consultation with the Engineer/Consultant	Sum	1		
13.2	Profit	%	10		
13.3	Attendense	%	5		
TOTAL FOR BILL - CARRIED FORWARD TO SUMMARY					

KOPANONG PRIMARY SCHOOL
SUMMARY: ELECTRICAL WORKS

SECTION	DESCRIPTION	QTY	AMOUNT	TOTAL
1	MV Reticulation	SUM		
2	LV Reticulation	Lot		
3	Large Administration	1		
4	4 Classrooms+ Stores	5		
5	3 Classrooms+ Stores	1		
6	2 Classrooms+ Stores	4		
7	2 Clr Grade R	1		
8	3 Clr Grade R	1		
9	4 Seater Ablutions	3		
10	5 Seater Ablutions	2		
11	8 Seater Ablutions	2		
12	Area lighting	1		
13	Provisional Sum: ICT	Sum		
	SUB TOTAL 1			

SEC	BILL	PG	ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3	1	70		SECTION NO. 3				
3	1	70		BILL NO.1				
3	1	70		BULK EARTHWORKS				
3	1	70		Preambles	H4			
3	1	70		Model Preambles for Trades 2008 as published by the Association of South African Quantity Surveyors shall apply.				
3	1	70		<u>SUPPLEMENTARY PREAMBLES</u>	H4			
3	1	70		<u>Items, materials or methods</u>	H4			
3	1	70		Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other appRate Onlyved - on the condition that prior appRate Onlyval is obtained fRate Onlym the architect.				
3	1	70		<u>Excavations</u>	H4			
3	1	70		No claim for Rate Onlyck excavation will be entertained unless the contractor has timeously notified the Quantity Surveyor thereof prior to backfilling "Soft Rate Onlyck" and "Hard Rate Onlyck" shall be as defined in the Model Preambles for Trades 2008				
3	1	70		<u>WORK GRate OnlyUP 102</u>	H4			
3	1	70		<u>SITE CLEARANCE</u>	H2			
3	1	70	2	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	35 895		
3	1	70		<u>Extra over all excavations for carting away</u>	H3			
3	1	70	3	Surplus material fRate Onlym excavations or stock piles on site to a dumping site to be located by the Contractor	m.km	16 153		
3	1	70		<u>EARTHWORKS</u>	H2			
3	1	70		<u>Bulk excavation</u>	H3			
3	1	70	4	Excavate in all materials and use for embankment or fill or dispose, as ordered	m3	7 269		
3	1	70		<u>Extra-over for</u>	H3			
3	1	70	5	Intermediate for excavation	m3	5 088		
3	1	70	6	Hard Rate Onlyck excavation	m3	1 272		
3	1	70		<u>Restricted Excavation</u>	H3			
3	1	70	7	Excavate for restricted pipe trenches in all A.2.4 materials and use for backfill or dispose	m3	0		
3	1	71		<u>Import G5 or better material fRate Onlym the Commercial source or borRate Onlywpit for Selected layers compacted to 95% of modified AASHTO maximum density</u>	H3			
3	1	71	8	150mm thick	m3	7 269		
3	1	71	9	Overhaul	m.km	36 344		
3	1	71		<u>LOFFELSTEIN RETAINING WALLS</u>	H2			
3	1	71	10	InfraBlok 425 (425x340x225) Waterloffel or other appRate Onlyved retaining wall stepped and curved to suit required slopes	m2	276		
				BULK EARTHWORKS	ST			

3	2	73	SECTION NO. 3				
3	2	73	BILL NO.2				
3	2	73	WATER SUPPLY				
3	2	73	<u>Preambles</u>		H4		
3	2	73	Model Preambles for Trades 2008 as published by the Association of South African Quantity Surveyors shall apply.				
3	2	73	<u>SUPPLEMENTARY PREAMBLES</u>		H4		
3	2	73	<u>Items, materials or methods</u>		H4		
3	2	73	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other appRate Onlyved - on the condition that prior appRate Onlyval is obtained fRate Onlym the architect.				
3	2	73	<u>uPVC Pressure pipes and fittings</u>		H4		
3	2	73	Pipes for water supply shall be of the class stated Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iRate Onlyn, all with similar push-in type joints				
3	2	73	<u>Copper pipes</u>		H4		
3	2	73	Pipes shall be hard drawn and half-hard pipes of the class stated Class 0 (thin walled hard drawn) pipes shall not be bent Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type Capillary solder fittings shall comply with ISO 2016 Only compression fittings shall be used in walls or in gRate Onlyund				
3	2	73	<u>Lead pipes and traps</u>		H4		
3	2	73	All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel				
3	2	74	<u>Reducing fittings</u>		H4		
3	2	74	Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained				
3	2	74	<u>Steel sectional water tanks</u>		H4		
3	2	74	Tanks shall comply with SABS CKS 114				
3	2	74	<u>WORK GRate OnlyUP 104</u>		H4		
3	2	74	<u>EARTHWORKS (PIPE TRENCHES)</u>		H2		
3	2	74	<u>Site clearance and removal of topsoil</u>		H3		
3	2	74	1 Clear vegetation and small trees/shrubs up 2m wide		m	1 050	

3	2	74		<u>Excavate in all materials for trenches, backfill, compact and dispose of surplus material for water pipes up to 90mm in diameter for depths:</u>	H2		
3	2	74	2	fRate Onlym 0m Up to 1.5m	m	1 050	
3	2	74		<u>Extra-over item (a) above for:</u>	H3		
3	2	74	3	Intermediate excavation	m3	189	
3	2	74	4	Hard Rate Onlyck excavation	m3	28	
3	2	74		<u>Extra over all excavations for carting away</u>	H3		
3	2	74	5	Surplus material fRate Onlym trench excavations to a dumping site to be located by the Contractor	m3	58	
3	2	74		<u>Excavation ancillaries</u>	H3		
3	2	74		<u>Make up deficiency in backfill material</u>	H3		
3	2	74	6	fRate Onlym other necessary excavations on site	m3	58	
3	2	74	7	By importation fRate Onlym designated borRate Onlyw pits	m3		
3	2	74	8	Compaction in Rate Onlyad reserves	m		
3	2	74		<u>WORK GRate OnlyUP 148</u>	H4		
3	2	74		<u>MEDIUM PRESSURE PIPELINES</u>	H2		
3	2	74		<u>Supply, lay and bed pipes complete with couplings</u>	H3		
3	2	74	9	50mm diameter uPVC Class 9 pipes	m	Rate Only	
3	2	74	10	50mm diameter uPVC Class 12 pipes	m	875	
3	2	74	11	63mm diameter uPVC Class 9 pipes	m	Rate Only	
3	2	74	12	63mm diameter uPVC Class 12 pipes	m		
3	2	74	13	75mm diameter uPVC Class 9 pipes	m	Rate Only	
3	2	74	14	75mm diameter uPVC Class 12 pipes	m	1 350	
3	2	74	15	90mm diameter uPVC Class 12 pipes	m	50	
3	2	74	16	65mm Pressure Reducing Valve	No		
3	2	74	17	75mm Pressure Reducing Valve	No		
3	2	74		<u>BEDDING (PIPES)</u>	H2		
3	2	74		<u>PRate Onlyvision of Bedding fRate Onlym Trench Excavation</u>	H3		
3	2	74	18	Selected granular material	m3	378	
3	2	74	19	Selected fill material	m3	630	
3	2	74		<u>ELEVATED STEEL TANK PLUS STAND</u>	H2		
3	2	75		<u>The following in sectional steel water tanks and bases</u>	H3		
3	2	75	20	Blinding layer, class 15 Mpa/19mm concrete, 75mm thick for all level where reinforced	m2	27	
3	2	75	21	Concrete for footings class 25 Mpa / 19mm concrete plus anchor blocks, filling where ordered by the engineer	m3	5	
3	2	75	22	Supply, deliver to site and erect 120KL Prestressed steel tank complete with 6m stand,	No	1	
3	2	75	23	Supply and install 50 mm dia Water Meter	No	Rate Only	
3	2	75	24	Supply and install 63 mm dia Water Meter	No	Rate Only	
3	2	75	25	90 x 90 mm T piece section	No	25	
3	2	75	26	90mm diam. Gate valve	No	2	
3	2	75	27	75 mm diam. Gate valve	No	2	

3	2	75	28	Supply and install 75mm X 32mm dia Saddles	No	28		
3	2	75	29	32 mm diam. Gate valve	No	Rate Only		
3	2	75	30	Ref. 617 welded mesh in floor/walls/footing/ slab	m2	60		
3	2	75	31	Supply and install a 5mm (1000 x 1000) Vastrap plate cover and frame for the opening in the reservoir Rate Onlyof	m2	Rate Only		
3	2	75	32	Half brick wall including wire ties	m2	Rate Only		
3	2	75	33	Supply and install 75mm dia Resilient Seal Flanged Gate Valve (with rising spindle and handwheel, clockwise closing)	No	Rate Only		
3	2	75	34	1000mm long X 150mm diameter steel pipe, flanged both ends, 250mm flanged pipe with a 150 x 100 bellmouth, plain ended overflow pipe	No	Rate Only		
3	2	75	35	100mm flanged steel pipe with a 90 degree welded long radius bend	No	Rate Only		
3	2	75	36	1500 x 100mm flanged steel pipe with welded flanges both ends	No	Rate Only		
3	2	75	37	Sitting, Drilling and Equiping of new borehole	No	1		
3	2	75		<u>TESTING</u>	H2			
3	2	75	38	Testing of yield and water quality of existing borehole and supply and install water package plant as per specialist recommendation	No	1		
3	2	75	39	Testing water pipe system	Item	1		
3	2	75		<u>FIRE BOOSTER PUMP</u>	H3			
3	2	75	40	Supply and install Grundforce PM Pressure Pump (Q min 12 litres per second and 40m head) or similar with 90 mm inlet and outlet Complete with contRate Onlyl panel, electrical connections, Brass Gate 50 mm valves (90 mm and 90mm), Brass Non Return valve (90 mm), Brass In-line Strainer (90 mm), fittings and pipings	No	2		
				WATER SUPPLY	ST			
3	3	77		SECTION NO. 3				
3	3	77		BILL NO.3				
3	3	77		SEWER RETICULATION				
3	3	77		<u>Preambles</u>	H4			
3	3	77		Model Preambles for Trades 2008 as published by the Association of South African Quantity Surveyors shall apply.				
3	3	77		<u>SUPPLEMENTARY PREAMBLES</u>	H4			
3	3	77		<u>Items, materials or methods</u>	H4			
3	3	77		Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other appRate Onlyved - on the condition that prior appRate Onlyval is obtained fRate Onlym the architect.				
3	3	77		<u>Vitrified clay pipes, etc</u>	H4			
3	3	77		Pipes shall rest on solid gRate Onlyund and where necessary, pockets of sufficient size shall be cut aRate Onlyund joints to enable the jointing to be pRate Onlyperly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid				
3	3	77		<u>uPVC Pipes and fittings</u>	H4			
3	3	77		Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings				
				Soil, waste and vent pipes and fittings shall be solvent weld jointed				

3	3	77		<u>Reducing fittings</u>	H4		
3	3	77		Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained			
3	3	77		<u>Septic Tanks</u>	H4		
3	3	77		Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions			
3	3	78		<u>Laying, backfilling, bedding, etc. of pipes</u>	H4		
3	3	78		Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturer's instructions			
				Where no manufacturer's instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches, etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB: Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB: Bedding (Pipes) Unless otherwise described bedding of rigid pipes shall be class B bedding			
3	3	78		<u>WORK GRate OnlyUP 104</u>	H4		
3	3	78		<u>EARTHWORKS (PIPE TRENCHES)</u>	H2		
3	3	78		<u>Site clearance and removal of topsoil</u>	H3		
3	3	78	1	Clear vegetation and small trees/shrubs within 2m wide strip	m	732	
3	3	78		<u>EXCAVATION</u>	H2		
3	3	78		Excavate in all materials for trenches, backfill, compact and dispose of surplus material for sewers up to 160mm in diameter for depths:	H3	Rate Only	
3	3	78	2	Up to 1.5m	m3	769	
3	3	78	3	Over 1.5m up to 2.5m	m3	Rate Only	
3	3	78	4	Over 2.5m up to 3.5m	m3		
3	3	78		<u>Extra-over item (a) above for:</u>	H3		
3	3	78	5	Intermediate excavation	m3	512	
3	3	78	6	Hard Rate Onlyck excavation	m3	38	
3	3	78	7	Excavate and dispose of unsuitable material fRate Onlym trench bottom (pRate Onlyvisional)	m3	Rate Only	
3	3	78		<u>Excavation ancillaries</u>	H3		
3	3	78		<u>Make up deficiency in backfill material</u>	H3		
3	3	78	8	fRate Onlym other necessary excavations on site	m3	551	
3	3	78	9	By importation fRate Onlym designated borRate Onlyw pits	m3	Rate Only	

3	3	78		<u>WORK GRate OnlyUP 146</u>		H4		
3	3	78		<u>SEWERS</u>		H2		
3	3	78		<u>Supply, lay, joint, bed and test 400KPa Maincore uPVC sewer pipes manufactured to SABS 1601</u>		H3		
3	3	78	10	110mm dia.	m		150	
3	3	78	11	160mm dia.	m		895	
3	3	79		<u>Extra -over uPVC pipe for specials</u>		H3		
3	3	79	12	110mm 90 degree plain bend	m		3	
3	3	79	13	110mm 45 degree plain bend	m		2	
3	3	79	14	110mm 45 degree plain junction	m		1	
3	3	79	15	160mm 90 degree plain bend	m		Rate Only	
3	3	79	16	160mm 45 degree plain bend	m		Rate Only	
3	3	79	17	160mm 45 degree plain junction	m		Rate Only	
3	3	79		<u>MANHOLES</u>		H2		
3	3	79		<u>Supply and construct pre-cast concrete manholes, complete with cover and frame and step iRate Onlyns as per drawings within the following depth ranges (depth measured fRate Onlym invert level to top of the manhole)</u>		H3		
3	3	79		<u>1000mm dia. Manholes</u>		H3		
3	3	79	18	up to 1.5m	No		6	
3	3	79	19	over 1.5m up to 2.0m	No		Rate Only	
3	3	79	20	over 2.0m up to 2.5m	No		Rate Only	
3	3	79	21	over 2.5m up to 3.0m	No		Rate Only	
3	3	79		<u>BEDDING AND BACKFILLING (PIPES)</u>		H2		
3	3	79		<u>PRate Onlyvision of Bedding fRate Onlym Trench Excavation</u>		H3		
3	3	79	22	Selected granular material	m3		264	
3	3	79	23	Selected fill material	m3		439	
3	3	79		<u>SEWER TREATMENT PLANT</u>		H2		
3	3	79		<u>Concrete</u>		H3		
3	3	79	24	Blinding layer, class 15 Mpa/19mm concrete, 75mm thick for all level where reinforced	m2		Rate Only	
3	3	79	25	Concrete for footings/floors/slabs/walls class 25 Mpa / 19mm concrete plus anchor blocks, filling where ordered by the engineer	m3		Rate Only	
3	3	79		<u>Mild steel reinforcement:</u>		H3		
3	3	79	26	Mild steel bars	kg		Rate Only	
3	3	79		<u>High-Tensile Welded mesh</u>		H3		
3	3	79	27	Ref. 617 welded mesh in floor/walls/footing/slab	m2		Rate Only	
3	3	79		<u>Brickwork of NFX bricks in 3:1 cement mortar:</u>		H3		
3	3	79	28	One brick wall including wire ties	m2		Rate Only	
3	3	79	29	Half brick wall including wire ties	m2		Rate Only	
3	3	79		<u>Septic Tank</u>		H3		
3	3	79	30	Construct septic tank with french drain as per specification	Item		1	

3	3	79		Grease Trap	H3			
3	3	79	30	Construct grease trap as per specification	Item	Rate Only		
3	3	79		1-4 Cement plaster finished with a wooden tRate Onlywel on brickwork:	H3			
3	3	79	31	Internal wall plaster	m2			
3	3	79	32	Supply and install 1600mm x 1200mm Galvanized frame and cover for septic tank and grease trap	No	5		
3	3	79		TESTING	H2			
3	3	79	33	Testing drainage pipe system	Item	1		
				SEWER RETICULATION	ST			
3	4	81		SECTION NO. 3				
3	4	81		BILL NO.4				
3	4	81		Rate OnlyADS AND PARKING				
3	4	81		<u>Preambles</u>	H4			
3	4	81		Model Preambles for Trades 2008 as published by the Association of South African Quantity Surveyors shall apply.				
3	4	81		<u>SUPPLEMENTARY PREAMBLES</u>	H4			
3	4	81		<u>Items, materials or methods</u>	H4			
3	4	81		Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other appRate Onlyved - on the condition that prior appRate Onlyval is obtained fRate Onlym the architect.				
3	4	81		<u>Excavations</u>	H4			
3	4	81		No claim for Rate Onlyck excavation will be entertained unless the contractor has timeously notified the Quantity Surveyor thereof prior to backfilling "Soft Rate Onlyck" and "Hard Rate Onlyck" shall be as defined in the Model Preambles for Trades 2008				
3	4	81		<u>WORK GRate OnlyUP 154</u>	H4			
3	4	81		<u>EARTHWORKS (Rate OnlyADS, SUBGRADE)</u>	H2			
3	4	81		<u>Rate Onlyad-bed preparation and compaction of material to</u>	H3			
3	4	81	1	Minimum of 90% of modified AASHTO maximum density	m3	563		
3	4	81	2	Minimum of 93% of modified AASHTO maximum density	m3	675		
3	4	81		<u>Selected layer compacted to 93% of modified AASHTO maximum density</u>	H3			
3	4	81	3	150mm thick	m3	250		
3	4	81		<u>Extra -over items 8.3.4 and 8.3.5 for excavation and breaking down material in</u>	H3			
3	4	81	4	Intermediate excavation	m3	350		
3	4	81	5	Hard excavation	m3	78		
3	4	81		<u>Cut to spoil or stockpile fRate Onlym</u>	H3			
3	4	81	6	Soft excavation	m3	1 338		
3	4	81	7	Intermediate excavation	m3	318		
3	4	81	8	Hard excavation	m3	48		
3	4	81	9	Overhaul	m .km	1 704		

3	4	81		<u>SUBBASE</u>	H2		
3	4	81		<u>Construct the subbase course with material excavated in all materials or fRate Onlym borRate Onlyw pit</u>	H3		
3	4	81	10	Subbase 150mm thick and compacted to 95% Mod AASHTO density	m3	1 536	
3	4	81	11	Base 150mm thick constructed with Graded crushed stone fRate Onlym commercial source and compacted to 88% of apparent relative density	m3	Rate Only	
3	4	82		<u>pRate Onlycess subbase material by the following pRate Onlycesses, as relevant, and use in the subbase</u>	H3		
3	4	82	12	Stabilization	m3	1 536	
3	4	82		<u>Stabilizing agent</u>	H3		
3	4	82	13	Ordinary Portland cement	t	44	
3	4	82	14	Lime	t	1	
3	4	82	15	Overbudden	m3	0	
3	4	82		<u>BASE</u>	H2		
3	4	82		<u>Construct the base with gravel material fRate Onlym borRate Onlyw pits</u>	H3		
3	4	82	16	Base 150mm thick and compacted to 97% Mod AASHTO density	m3	1 579	
3	4	82		<u>pRate Onlycess base material by the following pRate Onlycesses, as relevant and use in base</u>	H3		
3	4	82	18	Stabilization	m3	1 579	
3	4	82		<u>Stabilizing agent</u>	H3		
3	4	82	19	Ordinary Portland cement	t	114	
3	4	82	20	Lime	m	Rate Only	
3	4	82		<u>SEGMENTED PAVING</u>	H2		
3	4	82		<u>pRate Onlyvision of edge Restraints</u>	H3		
3	4	82	21	Cast in-situ edging, 200 x 150mm thick Class 25/19 concrete on curves and on straights	m	450	
3	4	82		<u>Construction of paving complete</u>	H3		
3	4	82	22	Supply and lay 60mm thick segmented paving blocks with 20mm sand (Assembly and walkways)	m2	3 650	
3	4	82	23	Supply and lay 80mm thick segmented paving blocks with 20mm sand	m2	1 613	
3	4	82	24	Cutting units to fit edge restraints (straight, raking, or circular cutting)	m	Rate Only	
3	4	82	25	Allow for soil poisoning	m2	5 263	
3	4	82		<u>KERBING AND CHANNELING</u>	H2		
3	4	82	26	Precast concrete kerbs 280 x 180 x 140 semi-mountable Figure 7	m	420	
3	4	82	27	Precast concrete kerbs Figure 5	m	338	
3	4	82		<u>TESTING OF FILLING MATERIAL AND COMPACTION</u>	H2		
3	4	82		<u>GENERAL</u>	H4		
3	4	82		The following tests are to be carried out when and only if required by the Architect/Engineer			
3	4	82		The letters S M T M, as used in the following descriptions refer to the publication, Standard Methods of Testing Materials and Specification, of the Department of Transport			

3	4	82	28	Allow for testing of appRate Onlyved filling material in an appRate Onlyved laboratory according to S M T M method No A7, to establish the 100% modified AASHTO density thereof	Item	1	
3	4	82	29	Allow for testing of density of compacted filling under Rate Onlyads, etc. by means of the Sand Replacement Method according to S M T M method No A10(a)	Item	1	
				BREAKING UP EXISTING PAVEMENT LAYERS			
3	4	83		Excavating and removing existing bituminous material			
3	4	83		(a) Material intended for recycling with the average depth of excavation			
3	4	83	30	(ii)Exceeding 30mm but not exceeding 60mm	m2	Rate Only	
3	4	83	31	Excavating and spoiling material fRate Onlym an existing pavement and /or the underlying fill:			
3	4	83		(b) Cemented material	m³	Rate Only	
3	4	83	32	Excavating material fRate Onlym an existing pavement and /or underlying fill in restricted areas			
3	4	83		(a) Extra over item 38.01 for bituminous material excavated separately	m2	Rate Only	
3	4	83		(b)Extra over item 38.04 for other existing pavement			
3	4	83	33	(ii) Cemented material	m³	Rate Only	
3	4	83		Sawing or cutting asphalt or cemented pavement layers			
3	4	83	34	(a) Sawing asphalt	m2	Rate Only	
3	4	83	35	Backfilling of excavations for patching with			
3	4	83		(a) Chemically stabilized base for a patch with a surface area			
3	4	83	36	(i) Not exceeding 5m2	m³	Rate Only	
				(ii)Exceeding 5m2 but not 100m2	m³	Rate Only	
3	5	85		Compacting the floor of excavations for patching	m2	Rate Only	
3	5	85		STABILIZATION			
3	5	85		Chemical stabilization extra over unstabilized compacted layers:			
3	5	85		(a) Base layer, 150mm thick	m³	Rate Only	
				Chemical stabilizing agent:			
3	5	85		(a) Ordinary portland cement	t	Rate Only	
				(b) Slaked Rate Onlyad lime	t	Rate Only	
3	5	85		PRate Onlyvision and application of water for curing	kl	Rate Only	
3	5	85		PRIME COAT			
				Prime coat:			
3	5	85		(a) MC-30 cut back bitumen	litre	Rate Only	
				(b) MSP1	litre	Rate Only	
3	5	85		Aggregate for blinding	m²	Rate Only	
3	5	85		Extra over item 41.01 for applying the prime coat in areas accessible only to hand held equipment	litre	Rate Only	
3	5	85		ASPHALT PAVEMENTS AND SEALS			
3	5	85		Asphalt surfacing			
3	5	85		(60/70 penetration grade bitumen)			
				(a) Medium continuously graded asphalt			
				(i)Thickness -30mm	m²	Rate Only	

3	5	85		Rate Only	lled in chippings (9.5mm)				
3	5	85			(a) in surfacing	t	Rate Only		
3	5	85			Tack coat of 30% stable grade emulsion	litre	Rate Only		
3	5	85	1	Rate Only	ADS AND PARKING	ST			
3	4	81			SECTION NO. 3				
3	4	81			BILL NO.5				
3	4	81			STORMWATER DRAINAGE				
					<u>Preambles</u>		H4		
3	5	85			Model Preambles for Trades 2008 as published by the Association of South African Quantity Surveyors shall apply.				
3	5	85	2						
3	5	85	3		<u>SUPPLEMENTARY PREAMBLES</u>		H4		
					<u>Items, materials or methods</u>		H4		
3	5	85			Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other appRate Onlyved - on the condition that prior appRate Onlyval is obtained fRate Onlym the architect.				
3	5	85	4						
3	5	85	5		<u>Concrete pipes</u>		H4		
3	5	85			Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings				
3	5	85			<u>Wire gratings</u>		H4		
3	5	85	6						
					Descriptions of gutter outlets, etc shall be deemed to include wire balloon gratings				
3	5	85	7		<u>Exposed concrete surfaces</u>		H4		
					Exposed surfaces of concrete stormwater channels, cover slabs, inspection eve marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster				
3	5	85	8						
3	5	85	9		<u>WORK GRate OnlyUP 104</u>		H4		
3	5	86	10		<u>EARTHWORKS (OPEN CHANNEL)</u>		H2		
					<u>EXCAVATION</u>		H3		
3	5	86			Excavate in all materials for trenches, backfill, compact and dispose of surplus material for stormwater channel	m3		365	
3	5	86	11						
					<u>Extra-over item (a) above for:</u>		H3		
3	5	86	12		Intermediate excavation	m3		164	
3	5	86			Hard Rate Onlyck excavation	m3		55	
					<u>BEDDING AND BACKFILLING</u>		H2		
3	5	86	13		<u>PRate Onlyvision of Bedding fRate Onlym Trench Excavation</u>		H3		
3	5	86	14		Selected granular material for bedding	m3			
3	5	86	15		Selected fill material and backfilling	m3			
3	5	86			<u>WORK GRate OnlyUP 146</u>		H4		
3	5	86			<u>CONCRETE AND REINFORCEMENT</u>		H4		
					Blinding layer, class 15 Mpa/19mm concrete, 75mm thick for all level where reinforced	m2		325	
					Concrete for footings/floors/slabs/walls class 25 Mpa / 19mm concrete plus anchor blocks, filling where ordered by the engineer	m3		33	
3	5	86	16						

				<u>High-Tensile Welded mesh</u>	H3			
3	5	86	17	Ref. 245 welded mesh in floor slab	m2	325		
				Ref. 617 welded mesh in floor slab	m2			
3	5	86		Mild steel bars	kg			
3	5	86	18	<u>CONCRETE PIPES</u>	H4			
				<u>Supply, lay and bed pipes complete with couplings</u>	H3			
				450mm Diameter C50	m	60		
				600mm Diameter C50	m	20		
3	5	86		<u>Supply and lay RS40 Grating Unbanded and</u>	H3			
3	5	86		<u>Banded Rectagrid or similar appRate Onlyved Grid for</u>				
				<u>Storm water drainage</u>				
3	5	86	19	2 400 x 1 200 x 50 x 4.5mm RS40 Grating Unbanded Bitumen	No	2		
				1 000 x 500 x 50 x 4.5mm RS40 Grating Banded Bitumen	No	1		
				Supply and install 60 x 60 x 6mm Angle IRate Onlyn cast into concrete	m	6		
3	6	88		<u>SURFACE V-CHANNELS</u>	H2			
3	6	88		<u>In-situ 20 MPa/19mm Concrete open stormwater channels</u>	H3			
3	6	88		<u>finished on all exposed surfaces with woodfloat finish and</u>				
3	6	88		<u>with angles Rate Onlyunded, cast in appRate Onlyximately 2m lengths</u>				
				<u>with construction joints and expansion joints formed with</u>				
				<u>Flexcell joint filler and sealed with bitumastic joint sealant</u>				
				<u>at 6m intervals, including all formwork, moulds, shallow</u>				
				<u>excavations and filling and laying to falls</u>				
3	6	88		V-shaped channel 1200mm wide, 105mm (average) thick and 50	m	280		
3	6	88		mm deep (concrete = 0,10 m /m) next to existing wall and				
3	6	88		including the forming of an expansion joint with the existing wall				
				formed with Flexcell joint filler and sealed with bitumastic joint				
				sealant				
				Extra over 900 x 50mm deep stormwater channel for bends,	No	Rate Only		
				junctions, ends, etc				
3	6	88		<u>Stormwater outlet spreader, culvert headwall, etc.</u>	H3			
3	6	88		Concrete 20MPa/19mm in spreader outlet 2,0m long and x	No	1		
3	6	88		2,0m wide at open end with 100 x 50mm pRate Onlyjecting kerbs along				
3	6	88	1	both sides and bricks cast in at 300mm centres and 150mm				
				apart to pRate Onlyject 50mm above 75mm concrete surface bed,				
				including all necessary shallow excavations, formwork and				
				finishing with a wood float				
3	6	88		<u>STONE PITCHING</u>	H2			
3	6	88		<u>Stone pitched of appRate Onlyximately 150mm diameter river</u>	H3			
3	6	88		<u>stones tightly packed including preparation of gRate Onlyund</u>				
				<u>surface under, top soil filling and planted with grass</u>				
3	6	88		150mm Thick lining to open ends of outfall spreaders, ditches,	m2	120		
				etc.				
3	6	88		STORMWATER DRAINAGE	ST			
3	6	88	2	SECTION NO. 3				
				BILL NO.6				
				FENCING AND LANDSCAPING				
3	6	89		<u>Preambles</u>	H4			
3	6	89		Model Preambles for Trades 2008 as published by the				
				Association of South African Quantity Surveyors shall apply.				
3	6	89	3	<u>SUPPLEMENTARY PREAMBLES</u>	H4			
3	6	89	4	<u>Items, materials or methods</u>	H4			
3	6	89	5	Items, materials or methods to be used specified by trade				
				names or catalogue numbers are only an indication of the				
				quality required. The use of trade names for items, materials or				
				methods shall also mean - or other appRate Onlyved - on the condition				
				that prior appRate Onlyval is obtained fRate Onlym the architect.				
3	6	89	6					
3	6	89	6					

				WORK GRate OnlyUP 124	H4			
3	7	92	1					
3	7	92	2	<u>GALVANIZED STEEL PALISADE FENCING</u>	H2			
3	7	92	3	<u>Palisade fencing, consisting of 75 x 75 x 4mm posts with 230 x 230mm foot plate welded on, 50 x 50 x 5mm angle section top and bottom rail, filled in with 40 x 40 x 4mm</u>	H3			
3	7	92	4	<u>spear pales at 125mm centres. Posts to be spaced at 3.0m and cast in 600 x 600 x 800mm class C concrete bases on</u>				
3	7	92	5	<u>600 x 600 x 150mm selected fill and with 200 x 200mm</u>				
3	7	92	6	<u>Class C concrete gRate Onlyund beam along full length of fence</u>				
				Supply and install 2400mm high fencing	m	Rate Only		
				Supply and install 2100mm high fencing	m	Rate Only		
				Supply and install 1800mm high fencing	m	1 340		
				<u>Gates formed of 50 x 75mm rectangular hollow section frame with two horizontal braces and filled in with 10mm diameter solid vertical bars at 92mm centres complete with two 254 x 40 x 5mm hook and band hinges with flange built into wall, barrel bolt to receive padlock, and vertical extension 600mm long with 6 tying holes for and including barbed wire, all as detailed on drawing 107 attached as annexure.</u>	H3			
				Double pedestrian gate 1780mm wide x 2400mm high with 254 x 40 x 5mm hook and band hinges with flange built into walls, barrel bolt, and 600mm vertical extensions for razor wire coil (Gate type G6)	No	1		
				Double gate 2890mm wide x 1915mm high with 254 x 40 x 5mm hook and band hinges with flange built into walls and barrel bolt (Gate type G7)	No	Rate Only		
				Sliding gate 6000m wide x 2454mm high complete with Rate Onlyllers and v-track including 600mm extension on top for razor wire coil (Gate type G8)	No	1		
				FENCING AND LANDSCAPING	ST			
				<u>SUMMARY</u>				
				Bulk Earthworks	Page	-72-		
				Water Supply	Page	-76-		
				Sewer Reticulation	Page	-80-		
				Rate Onlyads and Parking	Page	-84-		
				Stormwater Drainage	Page	-87-		
				Fencing				
				TOTAL	ST			

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES AND GENERAL	1/30	
2	4 CLASSROOM BLOCK X 3	2/37	
3	3 CLASSROOM BLOCK	3/39	
4	2 CLASSROOM BLOCK X 4	4/39	
5	3 CLASSROOM GRADE R BLOCK	5/42	
6	2 GRADE R CLASSROOM BLOCK	6/42	
7	4 SEATER ENVIROLOO TOILET BLOCK X 3	7/41	
8	10 SEATS ENVIROLOO TOILET BLOCK X 2	8/38	
9	4 SEATS WATERBORNE TOILET BLOCK X 3	9/38	
10	LARGE ADMINISTRATION BLOCK	10/40	
11	MULTI PURPOSE CLASSROOM X 2	11/38	
12	DEMOLISH 15 CLASSROOMS, 04 PIT TOILET & REFURB 08 CLASSROOMS, 23 ENVIROLOO	12/40	
13	PROVISIONAL SUMS	13/6	
	Sub- Total (PART A - MAIN BUILDING WORKS)		R
	<u>PART B - ELECTRICAL AND MECHANICAL WORK</u>		
	TENDER AMOUNT CARRIED OVER FROM PART B (ELECTRICAL AND MECHANICAL WORK)	Item	
	<u>PART C - CIVIL WORK</u>		
	TENDER AMOUNT CARRIED OVER FROM PART C (CIVIL WORK)	Item	
	Sub- Total - BUILDING COSTS		R
	Carried Forward		R

**LIMPOPO DEPARTMENT OF EDUCATION
DEMOLITIONS, REFURBISHMENT AND ADDITIONS AT
KOPANONG PRIMARY SCHOOL**

Section No	<u>FINAL SUMMARY</u>	Page No		Amount
	Brought Forward		R	
	<u>CONTINGENCY ALLOWANCE TO THE CONTRACT</u>			
	<u>Contingencies:</u>			
	Allow an amount of R2 700 000.00 (Two Million Seven Hundred Thousand) for contingency allowance to the contract ,to be used at the discretion of the Employer and deducted in whole or in part if not required.	Item		
	<u>PRICE ADJUSTMENT FOR INFLATION TO THE CONTRACT</u>			
	<u>Inflation:</u>			
	Allow an amount of R2 800 000.00 (Two Million Eight Hundred Thousand) for price adjustment for inflation.	Item		
	Sub- Total Excluding VAT		R	
	Tax		R	
	Carried to Form of Tender		R	

PART C3 SCOPE OF WORKS



PART C3.1: SPECIAL NOTES TO BIDDERS

The following special conditions are for compliance and attention to bidders:

- 1.1. LDPWR&I reserve the right to call interviews with short-listed bidders before final selection.
- 1.2. LDPWR&I reserve the right to conduct supplier due diligence prior to final award or at any time during the contract period. This may include surprise site visits.
- 1.3. LDPWR&I reserve the right to appoint the bidder that proves to be fully capable and qualified to handle and execute the job.
- 1.4. The proposals submitted must be in line with the detailed specification.
- 1.5. LDPWR&I reserve the right to cancel or withdraw this bid if:
 - i. Due to changed circumstances, there is no longer a need for this services; or
 - ii. Funds are no longer available to cover the total envisaged expenditure; or
 - iii. No acceptable bids are received; or
 - iv. There is a material irregularity in the Bid process.
- 1.6. In the case of sub-contracting or joint venture agreement, LDPWR&I will enter into a single contract with the principal bidder.
- 1.7. Bidders who are not registered on Central Supplier Database (CSD) must register before submission of bids.
- 1.8. Any completion of the bid document in pencil or erasable ink will not be acceptable and will automatically disqualify the submitted bid.
- 1.9. Successful bidder will be required to sign and enter into a formal contract upon the award.
- 1.10. Notwithstanding shortcomings and/or inconsistencies, if any, in this specification, which is only a minimum specification, a bidder shall make provision for a complete solution that will deliver the required service efficiently and cost-effectively.
- 1.11. Bid documents must be submitted physically to the closing address as reflected on the Request for Quotations/Tender.
- 1.12. Quotations received after the closing date and time will not be accepted for consideration.
- 1.13. This request for bid document contains confidential information about LDPWR&I, which has been provided to supply potential bidders with the data necessary to provide a holistic response.
- 1.14. No part of the contents may be used, copied, disclosed or conveyed in whole or in part to any party, in any manner whatsoever without the prior written permission of LDPWR&I.
- 1.15. Any reproduction or transmission of information contained in this document except for the sole purpose of responding to this bid is strictly prohibited.
- 1.16. References to LDPWR&I must not be made in any literature, promotional material, and brochures or sales presentations without the express written consent of LDPWR&I.



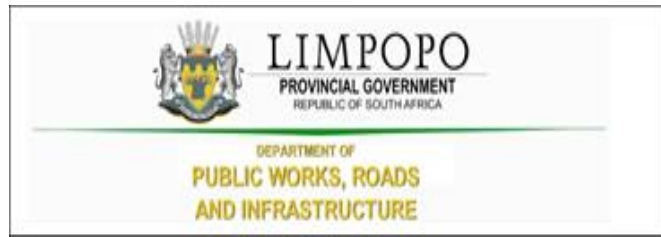
PART C3.2: OHS SPECIFICATIONS



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
**PUBLIC WORKS, ROADS
AND INFRASTRUCTURE**

PART C4 SITE INFORMATION



C4.1 DRAWINGS