

PROVINCIAL ADMINISTRATION OF KWAZULU-NATAL DEPARTMENT OF PUBLIC WORKS & INFRASTRUCTURE



KWAZULU-NATAL PROVINCE

PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

BILLS OF QUANTITIES

with GCC for Construction Works - Second Edition 2010

CONTRACTUAL SECTION

ONE VOLUME APPROACH

SECTION 2 - PART A

KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC - REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)

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Tender Number: ZNTD 06154W

CIDB Grading: 4GB or Higher

ECDP Number:

Project Code: 064162

Document Date: As Per Tender Advert

Contracting Party: _____

CIDB Registration number: _____

Central Suppliers Database Registration Number: _____

**KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC -
REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)**



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
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THE TENDER

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IMPORTANT NOTICE TO TENDERERS

Any reference to words Tender or Tenderder herein and/or in any other documentation shall be construed to have the same meaning as the words Tender or Tenderer. These forms are for internal and external use for the KZN Department of Public Works & Infrastructure, Provincial Administration of KwaZulu-Natal.

"Quality" shall mean totality of features and characteristics of a product or service that bears on the ability of the product or service to satisfy stated or implied needs.

No alternativeTenders will be accepted.

The Total (Including Value Added Tax) on the Final Summary of the Bill of Quantities must be carried to the "Offer" part only of the Form of Offer and Acceptance - T2.21

"Enterprise" shall mean the legal Tendering Entity or Tenderer who, on acceptance of the Offer, would become the contractor"

"Multiple awards of bids will be limited (unless by exception due to circumstances) in order to spread the work amongst many successful bidders and to minimize the risk to the Department. Multiple awards shall be limited to the ceiling value of the applicable CIBD grading of the recommended bidder unless previous contracts awarded has been more than 60% completed in terms of the actual scope of the contract and time expended are within the allocated time lines of the contract period of the contract with specific reference to the activity based construction program and concise demonstration has been given that the bidder has the capability and resources to complete the project successfully".



**KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC -
REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)**

THE CONTRACT



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C1 - AGREEMENT AND CONTRACT DATA



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**KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC -
REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)**

FORM OF OFFER AND ACCEPTANCE

FORM OF OFFER AND ACCEPTANCE

Tender No - ZNTD 06154W



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C.1.1 - FORM OF OFFER AND ACCEPTANCE

THE OFFER AND ACCEPTANCE FORM IS BOUND INTO **SECTION 1** (See end of Returnable Documents) OF THIS DOCUMENT AS PART OF THE RETURNABLE DOCUMENTS. ONCE A CONTRACT IS CONCLUDED WITH A SUCCESSFUL TENDERER, THIS PAGE WILL BE REPLACED WITH THE FILLED AND SIGNED OFFER AND SIGN ACCEPTANCE BY THE EMPLOYER AND IT WILL BECOME PART OF THE CONTRACT.

PLEASE SUBMIT THE OFFER AND ACCEPTANCE FORM WITH THE OTHER
RETURNABLE DOCUMENTS.



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REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)**

C1.2 - CONTRACT DATA

C 1.2 CONTRACT DATA: with GCC for Construction Works - Second Edition 2010	
CONTRACT DATA FOR:	
KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC - REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)	
Tender no:	ZNTD 06154W
	The General Conditions of Contract are the clauses contained in the General Conditions of Contract (2010) (Second Edition) published by the South African Institution of Civil Engineering. Copies of these conditions of contract may be obtained through most regional offices of the South African Institution of Civil Engineering, telephone number 011 805 5947 or by visiting their website at www.saice.org.za .
	CONTRACT SPECIFIC DATA The following contract specific data are applicable to this contract:
	CONTRACT VARIABLES This schedule contains all variables specific to this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of this agreement. Spaces requiring information must be filled in, shown as 'not applicable' or deleted <u>but not left blank</u> . Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets. The Engineer/Principal Agent, in accordance with Clause 1.1.1.16, shall obtain the specific approval from the Employer before executing any of his functions according to the "Conditions under which Consultants are appointed", or in the event where an employee of the Employer represents the Employer, the relevant General Delegations applicable at the time of executing his/her duties as described in Clause 3.1.2.
Part 1: CONTRACT DATA PROVIDED BY THE EMPLOYER:	
PRE-TENDER INFORMATION	
CONTRACTING AND OTHER PARTIES	
[1.1.1.15]	Employer: Head: Public Works (KZN Department of Public Works & Infrastructure: Province of KwaZulu-Natal) Postal address: Private Bag X 9041 PIETERMARITZBURG 3200 Tel: 033 - 8971399 Fax:
[1.2.1.2]	Physical address: 191 Prince Alfred Street PIETERMARITZBURG 3200
[1.1.1.16]	Employers Agent 1 KZN Department of Public Works & Infrastructure Agent's service: Project Manager Postal address: X54336 Mayville 4091 Email: Sicebi.Hadebe@kznworks.gov.za Fax:
	Employers Agent 2 KZN Department of Public Works & Infrastructure Agent's service: Quantity Surveyor Postal address: X54336 Mayville 4091 Email: dickson.adom@kznworks.gov.za Fax:
	Employers Agent 3 KZN Department of Public Works & Infrastructure Agent's service: Architect Postal address: X54336 4091 Email: buhle.khuzwayo@kznworks.gov.za
	Employers Agent 4 KZN Department of Public Works & Infrastructure Agent's service: Civil Engineer Postal address: X54336 Mayville 4091 Email: Ahmud.Bux@kznworks.gov.za Fax:

PART 1: DATA PROVIDED BY THE EMPLOYER		
[1.1.1.13]	Defects Liability Period The defects liability period is: A time measured from the date of the Certificate of Completion. Defects Liability Period is 12 Months for the whole of the Works	
Latent Defect Period		
[5.16.3]	The latent defect period is: 5 years after the Final Approval Certificate	
Documentation required before Commencement of the Works:		
[5.3.1]	The documentation required before commencement with the Works execution are;	
[4.3]	Health and Safety Plan	The Contractor shall deliver his Health and Safety Plan of the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
[5.6]	Initial Programme	The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date.
[6.2]	Guarantee	The Contractor shall deliver his chosen Guarantee (security) for this Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
[8.6]	Insurance	The Contractor shall deliver his insurance for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
	Cash flow by contractor	The Contractor shall deliver his Cash flow for the Works within 14 calendar days after notice from the Employer, prior to the Commencement Date.
	Priced Bill of Quantity	The Contractor shall deliver his Priced Bill of Quantity within 14 calendar days after notice from the Employer, prior to the Commencement Date.
	Programme	The Contractor is required to submit his Programme of Works in terms of Clause 5.6.1 and 5.3.1 and the Principal Agent is required to approve this within 7 days in terms of Clause 5.6.3
	Other requirements	
[5.3.2]	The time to submit the documentation required before commencement with Works execution is: 14 calendar days	

[5.8.1] [5.8.1]	Non-Working days Non-Working days Special non- working days Sundays All Nationally Recognized Public Holidays and the year end break First Year end break - commences 15-Dec-25 ends on 12-Jan-26 Second Year end break - commences N/A ends on N/A Third Year end break - commences N/A ends on N/A Fourth Year end break - commences N/A ends on N/A
[3.1.3]	Engineer/Principal Agent to consult with Employer The Engineer shall obtain the specific approval from the Employer before executing any of his functions according to the "Conditions under which Consultants are appointed", or in the event where an employee of the Employer represents the Employer, the relevant General Delegations applicable at the time of executing his/her duties.
[6.2.1] [6.2.1]	Security The time to deliver the deed of guarantee is Prior to site hand over in terms of clause 5.3.1 and 5.3.2. Please see CONTRACT DATA - below to select Guarantee Option
	Commencement Date Commencement date means the date of Site Hand over that should not occur prior to the tenderer receiving one fully signed copy of the Offer and Acceptance in terms of the Form of Offer and Acceptance.
	<i>The Agreement comes into effect on the date when; The tenderer <u>receives one fully completed original copy of this document</u>, including the Schedule of Deviations (if any)</i> <i>The agreement ("this document") consists of;</i> 1. Agreement and Conditions of Contract. 2. Form of Offer and Acceptance. 3. Contract Data. 4. Scope of Works. 5. Site Information. 6. Drawings & documents referred to in the 1 to 4 above. <i>(See Form of Offer and Acceptance)</i>
[5.3.1]	The contractor shall commence executing the Works within 7 calendar days from the Commencement Date.
[5.4.1]	Possession of the site will be given within 10 calendar days after the contractor has fulfilled the conditions (4.3, 5.6, 6.2, 8.6) and received the notification from the Employer of Site Hand Over where the contractor will receive one <u>fully signed</u> copy of the Form of Offer and Acceptance from the employer.
[5.6.1]	The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the Commencement Date.
	CONTRACT DETAILS
[1.1.1.33]	Works description: Refer to document C3 – Scope of Work.
[1.1.1.30]	Site description: Refer to document C4 – Site Information.
	Specific options that are applicable to a State organ only Where so :
[6.10.6.2]	1) Interest rate legislation: (a) in respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and (b) in respect of interest owed to the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply 2) Lateral support insurance to be effected by the contractor: Yes ☐ No ☒ 3) Payment will be made for materials and goods Yes ☒ No ☐ 4) Dispute resolution by litigation Yes ☐ No ☒ 5) Extended defects liability period applicable to the following elements: All Works ☒
[8.6.1.1.2]	The Value of material, supplied by the Employer, and not included in the Contract Price, is: R0,00
[8.6.1.1.3]	The amount to cover Professional Fees, not included in the Contract Price, for repairing damage and loss to be included in the insurance: 30% of the Contract Price

[8.6.1.3]	The limit for indemnity for liable insurance is: Unlimited
[6.5.1.2.3]	The percentage allowance to cover overhead charges for contractor and subcontractors, is: 10,00%
[1.1.1.14]	Practical Completion Date The Practical Completion date is: A time measured from the Commencement date.
	For the works as a whole: The whole of the works shall be completed within: 5 Months (which shall be deemed to include all Non – Working Days, Special Non – Working Days and the year-end Builders Annual Industry Holiday Periods)
[5.5.1]	The date for practical completion shall be To be determined
[5.13.1]	The penalty per calendar day shall be : 0.04% of the Contract Price, rounded to the nearest R10
	For the works in sections: The date for practical completion from the commencement date and the penalty per calendar day:
[5.5.1]	Portion 1: 5 Calendar Months
[5.13.1]	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 2: N/A
[5.13.1]	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 3: N/A
[5.13.1]	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 4: N/A
[5.13.1]	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 5: N/A
[5.13.1]	0.04% of the Contract Price, rounded to the nearest R10
[5.5.1]	Portion 6: N/A
[5.13.1]	0.04% of the Contract Price, rounded to the nearest R10
[1.3.2]	The law applicable to this agreement shall be that of the: Republic of South Africa
[6.10.1.5]	The percentage advance on materials not yet built into the Permanent Works is: 80,00%
[6.10.3]	Percentage retention on amounts due to contractor is: The Percentage retention is 10%. The only security required by the Employer will be such as selected by the Contractor on the Form of Offer and Acceptance and Part 2: CONTRACT DATA PROVIDED BY THE CONTRACTOR, point 2 - Documents, of the Contract Data. Maximum retention is: 5,00% of the Contract Price
[6.8.1]	Notwithstanding anything to the contrary contained in the General conditions of Contract and Preliminaries, this contract could only, when the construction period exceeds 6 months and the contract exceeds R1,000,000.00, be subject to a Contract Price Adjustment Factor.
[6.8.2]	Clause 6.8.2 the last part of the sentence saying "calculated according to the formula and the conditions set out in the Contract Price Adjustment Schedule." must be replaced by "calculated according to the Contract Price Adjustment Provisions (CPAP) Indices Application Manual for use with P0151 indices (Revised 1 January 2013)" as published by Statistics South Africa. The Contract Price Adjustment Provision (CPAP) will be subject to the most recently released indices by Statistic South Africa. Tenderers are advised that with reference to Clause 3.4.6 of the Contract Price Adjustment Provisions (CPAP) Indices Applications Manual, the Head: Public Works will not accept the submission by Tenderers of lists of additional items."
[6.8.3]	
[6.8.2]	Where this contract is a Lump Sum contract, the contract will only be subject to Contract Price Adjustment Provisions (CPAP)(Revised 1 January 2013) where the contract period equals or exceeds 6 calendar months. The applicable work group shall be WG 180 for domestic buildings or WG 181 for commercial and industrial buildings only.
[6.8.3]	
[5.14.5]	The following clause must be added to clause 5.14.5: [5.14.5.6] The employers agent shall submit the final account within 3 calendar months to the principal agent.
[10.5]	The determinations of disputes shall be by ARBITRATION ONLY.
[10.5.3]	The number of Adjudication Board Members to be appointed is: One Replace the last part of the clause with the following: ".on the application of either party, by the Chairman, or his nominee of the Association of Arbitrators."
[10.9.1]	

	Where CPAP is applicable, the contract sum will be adjusted in accordance with the Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Indices Application Manual as published by Statistics South Africa, dated 1 January 2013 and any amendments thereto: 1) Glass etc. measured in specialist section Metalwork, will be adjusted in terms of the index for that work group unless specifically stated 2) In case of uninterruptible power supplies, elevators, escalators and hoists, generating sets, motor-alternator sets and intercommunication systems shall be adjusted in accordance with Work Group 170. 3) Further to clause 3.4.6 of the CPAP Indices Application Manual, the listing of additional items for exclusion by Tenderer's, will not be permitted. Alternative Indices: Not Applicable Details of changes made to the General Conditions of Contract for construction works (2010) Second Edition
[1.1]	Clause [1.1.1.5] COMMENCEMENT DATE – means the actual date of Site Hand over that should not occur prior to the Tenderer receiving one fully signed copy of the Offer and Acceptance in terms of the Form of Offer and Acceptance. [5.12.2.2] ABNORMAL CLIMATIC CONDITIONS - means conditions over and above what could reasonably be expected for the specific locality where the Works are being executed and include inter alia excessive rain, heat, cold, wind and any other climatic condition that would not normally be experienced during the season that the Works are executed in that area. The South African Weather Service's (http://www.weathersa.co.za) 10 year average climatic conditions statistics would be what could be reasonably expected for the specific locality where the Works are executed. [6.2.1] CONSTRUCTION GUARANTEE – means an on demand guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the Offer and Acceptance Form and the contract data. CONSTRUCTION PERIOD – means the period commencing on the commencement date and ending on the date of due completion date. This period will be deemed to commence on actual site hand over date to the contractor and end on the date of practical completion and shall include all annual industrial holiday periods, Sundays and public holidays. CORRUPT PRACTICE – means the offer, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. FINAL ACCOUNT - The document prepared by the principal agent, which reflects the contract value of the works at final approval or termination. FRAUDULENT PRACTICE – means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practise among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition. INTEREST – the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be in terms of the legislation of the Republic of South Africa, and in particular: (a) in respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and (b) in respect of interest owed to the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply [1.1.1.16] ENGINEER/PRINCIPAL AGENT – means the person or entity appointed by the Employer and named in the Contract Data as the Engineer /Principal Agent to act as agent of the Employer. In the event of an Engineer/Principal Agent not being appointed, then all the duties and obligations of an Engineer/Principal Agent as detailed in the Contract shall be fulfilled by a representative of the Employer as named in the Contract Data. (Hereafter referred to as Engineer) [1.1.1.21] GENERAL ITEMS - or preliminaries means items stipulated in the Pricing Data relating to general obligations, site services, facilities and/or items that cover elements of the cost of the work which are not considered as proportional to the quantities of the Permanent Works. [4.4.1] Add the following to the clause 4.4.1: "The Contract shall only use subcontractors who are duly registered with the CIDB and who has an ACTIVE status at the time of submitting the tender" [6.2.1] Refer to Offer and Acceptance form for the various options that the contractor may choose from in providing a form of Guarantee under "GUARANTEE OPTIONS". [6.10.6.2] Replace "at the prime overdraft rate, as charged by the Contractor's Bank," with "...at the interest rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975)." Omit "on all overdue payments from the date on which the same should have been paid..." and replace with "only after 30 calendar days from receiving written notice from the Contractor that the amount is overdue..."

[5.12.3]	SPECIAL CONDITIONS OF CONTRACT Omit clause 5.12.3 and add the following: "5.12.3. If an extension of time is granted, the Contractor shall be paid such additional time-related General Items, including for special non-working days, if applicable as are appropriate regarding to any other compensation which may already have been granted in respect of the circumstances concerned. The reasons for extension of time that would invoke payment of time related General Items are inter alia; 5.12.3.1 Failure to give possession of the site to the contractor. 5.12.3.2 Making good physical loss and repairing damage to the works where the contractor is not at risk. 5.12.3.3 Contract instructions not occasioned by default by the contractor. 5.12.3.4 Failure to issue construction information timeously or the late issue of a contract instruction following a request from the contractor. 5.12.3.5 Late acceptance by the principal agent of a design undertaken by a selected subcontractor where the contractor's obligations have been met. 5.12.3.6 Suspension or cancellation termination invoked by a nominated or selected n/s subcontractor due to default by the employer or the principal agent. 5.12.3.7 Insolvency of a nominated subcontractor. 5.12.3.8 A direct contractor. 5.12.3.9 Opening up and testing of work and materials and goods where such work is according to in accordance with the contract documents. 5.12.3.10 The execution of additional work for which the quantity included in the bills of quantities is not sufficiently accurate. 5.12.3.11 Late or failure to supply materials and goods for which the employer is responsible. 5.12.3.12 Suspension of the works."
[5.14.5.1] [5.16.4]	Omit entire clause 5.14.5.1 Add the following new clause "5.16.4. Upon the issue of a Final Approval Certificate, unless otherwise provided in the Contract: 5.16.4.1. The performance Guarantee (if any) shall be returned within 14 days to the guarantor in terms of Clause 7."
[6.2.2]	Replace the following "...it shall be deemed that the Contractor has selected a security of ten percent retention of the value of the Works." with "...it shall be deemed that the Contractor has selected a security of a bank or insurance guarantee of 5% of the value of the Works and a payment reduction of 5% of the value certified in the payment certificate excluding value added tax."
[6.2.3]	Add to clause 6.2.3 the following "The Contractor shall provide proof of paid-up premium payments to accompany his payment certificate as proof that his performance guarantee has not expired yet. The Contractor will not receive payment without proof of the validity of their performance guarantee."
[9.3.2.2]	Omit "without prejudice to the exercise of any lien the Contractor may have acquired over the Employer's property." Duties and functions of the Engineer requiring the specific approval of the Employer BEFORE execution of any part of these duties are as follows: (a) Determinations of contractors claims for extension of time (revision of the contract completion date). All claims for extension of time shall be submitted by the Engineer, together with the Engineer's recommendations, to the Employer for determination. Omit "Engineer" in clause 42.2 and replace with "Employer". (b) Drawings, instructions or communications of any kind requiring variations of the works and involving EXTRA's shall NOT be given effect by the Contractor UNTIL BOTH the "Official Variation Order" and the "Financial Request for Variation Order and Additional Funds" form, as issued by the Department of Public Works, have been approved and signed by the Employer. (c) Insurance policies to be approved by the Employer within 21 days of the date of the Commencement of the Works. (d) Any notice of disagreement raised by the Contractor or written Dispute Notice given by the Contractor to the Engineer shall be submitted by the Engineer, together with the Engineer's recommendations, to the Employer for determination. (e) The issue of the certificate of practical completion, certificate of completion and the final approval certificate shall be signed and submitted by the Engineer, to the Employer for final approval and signature. The certificates shall not be considered as officially issued until signed by the Employer.
	MANAGING PROJECT DURATION
	(a) The Contractor shall co-ordinate his programme with all other contractors whose work may precede or be executed simultaneously to his own. The Contractor will be called upon to plan and control the project using the Project Evaluation and Review Technique (PERT) or other approved Critical Path Method (CPM) network analysis of his events and activities and those of the sub-contractors in his employ and must co-ordinate his planning with any other contractor employed on the project. A fortnightly project control report will be expected from the Contractor in writing, evaluating any gains or delays against the critical path and he should allow for all costs involved in planning reviewing and updating the programme to the satisfaction of the Principal Agent against this item. (b) Activity and total float shall belong to the Employer. (c) The Contractor shall deliver his programme of work within 10 calendar days after notice from the Employer, prior to the It is a condition of this contract that, the contractor submit to the Engineer/principal agent a detailed CPM Programme which shall be to the approval of the Engineer/principal agent. In this regard tenderers are advised to consult with the Engineer/Principal Agent as to the format and requirements of the programme as no claim whatsoever will entertained should the programme fail to meet the requirements of the Engineer/Principal Agent. Failure to submit the programme within the stipulated time may result in the contractor being held in breach of contract. The approved programme will form the basis of time management of the project and extension of time will not be guaranteed unless the Contractor has strictly complied with this provision. The programme shall make allowance for rain and the number of rain days allowed within the critical path shall be on the provisions of the clause dealing with inclement weather and claiming for delays in performance in this bill. Allowance for the above must be made under this item as no claims for failing to comply with this precondition will later be entertained.

INCLEMENT WEATHER AND CLAIMS FOR DELAYS IN PERFORMANCE																																																						
(a)	The Contract Sum includes a monthly allowance of 3 working days inclement weather during which rainfall exceeds 10mm per as indicated in the Scope of Works. These days shall be reflected on the critical path of the Contractor's programme as specified in MANAGING PROJECT DURATION above.																																																					
(b)	Claims for delays in performance due to inclement weather shall be calculated separately for each calendar month and for the project as a whole. Delays or gains to the critical path shall be reflected in all revisions of the programme. An extension of time will only be granted where the following conditions are met: (i) The criteria to be used for WORK stoppages shall be for safety hazards or poor quality of work. (ii) The Employer's site representative or the Employer's Principal Agent, if the site representative is not available shall be notified when the Contractor stops the work and intends to claim performance delays. The Employer representative shall inspect the situation together with the Contractor and give an immediate decision. 1. The stoppage claimed must cause a delay in the Completion Date of work. If the critical activities can proceed and a non-critical activity is delayed due to inclement weather no claims for delay shall be granted. 2. No claims for stoppages less than 2(two) hours per day shall be considered. 3. Claims granted for more than 2 (two) hours, but less than 10 (ten) hour (lunch included) day, shall be added together and expressed as full days. 4. All claims shall be submitted in writing to the Principal Agent within one working day of the actual stoppage. 5. The total delay in performance granted to the Contractor expressed in days shall be added to the contractual Completion Date of each section of the Works. The contractual penalty clause shall only come into effect after this newly arrived date. 6. Total delays (in hours) will be rounded up or down to the nearest integer for the calculation of Working Days. The total hours (including lunch) per Working Day shall be 10 unless otherwise indicated on the Contractor's programme. 7. Where the programmed delays for inclement weather exceed the actual delays incurred the Completion Date(s) will not be 8. Where the project includes builder's holidays the programmed durations for inclement weather shall be adjusted pro-rate to the actual Working Days. 9. The total of all monthly delays due to inclement weather shall be calculated in accordance with the example given below: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2" rowspan="2">Description</th> <th colspan="5">Months</th> <th rowspan="2">Total</th> </tr> <tr> <th>Sept</th> <th>Oct</th> <th>Nov</th> <th>Dec</th> <th>Jan</th> </tr> <tr> <th colspan="2"></th> <th>Hours</th> <th>Hours</th> <th>Hours</th> <th>Hours</th> <th>Hours</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>Programmed</td> <td>Rain days</td> <td>0</td> <td>30</td> <td>30</td> <td>15</td> <td>15</td> <td>90</td> </tr> <tr> <td>Actual</td> <td>Rain days</td> <td>16</td> <td>22</td> <td>35</td> <td>15</td> <td>18</td> <td>106</td> </tr> <tr> <td>Difference</td> <td></td> <td>-16</td> <td>8</td> <td>-5</td> <td>0</td> <td>-3</td> <td>-16</td> </tr> <tr> <td colspan="7" style="text-align: right;">Estimated Extension of time - in working days</td> <td>2</td> </tr> </tbody> </table> 8 hrs/day* <i>See point 5.2 in the Scope of Works for the specific days the tenderer must allow for in this contract.</i>	Description		Months					Total	Sept	Oct	Nov	Dec	Jan			Hours	Hours	Hours	Hours	Hours	Hours	Programmed	Rain days	0	30	30	15	15	90	Actual	Rain days	16	22	35	15	18	106	Difference		-16	8	-5	0	-3	-16	Estimated Extension of time - in working days							2
Description				Months						Total																																												
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Tender no: ZNTD 06154W																																																						
Part 2: CONTRACT DATA PROVIDED BY THE CONTRACTOR:																																																						
POST-TENDER INFORMATION																																																						
Note: All information for this section requires consultation with the Contractor. The Engineer/Principal Agent shall not pre-select any of the alternatives available to the Contractor.																																																						
1 CONTRACT DETAILS																																																						
[1.1.1.9]	Contractor Name:																																																					
[1.2.1.2]	Postal address:																																																					
																																																						
																																																						
	Tel no Fax no																																																					
	Tax / VAT Registration No: e-mail																																																					
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[1.1.1.10]	The accepted contract price inclusive of tax is R :																																																					
																																																						
	[Amount in words]																																																					
																																																						
	Payment Of Preliminaries (Clause 6.7, 6.8, 6.10 and 6.11)																																																					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">The preliminaries amounts shall be paid in terms of:</td> <td style="width: 20%;">*Alternative A</td> <td style="width: 30%; text-align: center;">Yes</td> </tr> <tr> <td></td> <td>**Alternative B</td> <td style="text-align: center;">N/A</td> </tr> </table> * Assessed by the Engineer/Principal Agent as an amount prorated to the value of the Work duly executed in the same ratio as the Preliminaries bears to the Contract Price excluding VAT, Preliminary amount, Contingencies and any CPAP. ** Calculated from the priced Bill of Quantity/Lump Sum document. The Contractor and the Engineer/Principal Agent shall agree on a division of the priced Preliminaries items into: initial establishment charge, monthly charge and final disestablishment charge. If the Contractor and the Engineer/Principal Agent can not agree, within 10 Working Days from the Commencement Date, on such a division then the Engineer/Principal Agent shall make a division of the Preliminaries to be incorporated in the valuations for each monthly payment 10% of the General Items/Preliminaries amount shall not be varied 15% of the General Items/Preliminaries shall only be varied in proportion of the Contract Price to the Contract Sum 75% of the General Items/Preliminaries shall be varied in proportion to the revised Construction Period compared with the initial Construction Period.	The preliminaries amounts shall be paid in terms of:	*Alternative A	Yes		**Alternative B	N/A																																															
The preliminaries amounts shall be paid in terms of:	*Alternative A	Yes																																																				
	**Alternative B	N/A																																																				

Adjustment of Preliminaries (Clause 6.7, 6.8, 6.10 and 6.11)	
Alternative A	For the adjustment of Preliminaries both the Contract Sum and the Contract Value (including tax) shall exclude the amount of Preliminaries, all Contingency Sum(s) and any provision for Cost Price Adjustment Provisions:- - An amount which shall not be varied. - An amount varied in proportion to the contract value as compared to the Contract Sum. - An amount varied in proportion to the Construction Period as compared to the initial Construction Period (excluding revisions to the Construction Period to which the Contractor is not entitled) to adjustment of the Contract Value in terms of the agreement. The Contractor shall provide a breakdown of charges (including tax) within 15 working days of the date of acceptance of tender and, where applicable, an apportionment of Preliminaries per section If the Contractor and the Principal Agent cannot agree, within ten (10) Working Days from the Commencement Date, on such a division then the Principal Agent shall make a division of the Preliminaries to be incorporated in the valuations for each monthly payment certificate as follows; 10% of the amount shall not be varied 15% varied in proportion of the Contract Value to the Contract Sum 75% varied in proportion to the revised Construction period compared with the initial Construction Period Sectional Completion : Subdivision of Preliminaries Costs For the adjustment of preliminaries for sections of the work the value of fixed, value, and time related amounts of the preliminaries for each section is required. The contractor is to provide such information within fifteen (15) working days of taking possession of the site, failing which the categorised preliminaries amounts shall be prorated to the value of each section. The above shall apply equally for projects where sectional completion was not contemplated at tender stage but subsequently occurred on an adhoc basis during construction of the works as agreed between the client and the employer. The original priced categorised amounts for fixed, value, and time related amounts shall be prorated to the value of each section. When an extension of time has been granted in terms of the GCC and the preliminaries require to be adjusted accordingly, the pertinent sectional (subdivided) categorised preliminaries amounts shall be utilised, where applicable and not the overall preliminary amounts. Where sectional completion is required in terms of the agreement, the Contractor shall provide the Principal Agent with the division of the above categorized amounts into sections. Should the Contractor fail to provide such information within the period stipulated the categorized amounts shall be prorated to the value of each section. YES yes / no or
Alternative B	The Contractor shall within 15 working days of the date of possession of the site provide the Principal Agent with a detailed breakdown of Preliminaries amounts for the works as a whole, or per section where applicable, including administrative and supervisory staff charges and for the use of construction equipment in terms of the programme. NO yes / no The contractor is informed that only option 'A' shall apply
2 DOCUMENTS	
Contract documents marked and annexed hereto: Priced Bills of Quantities: Yes X No Lump Sum document : Yes No Guarantee Options: Not applicable 2.2 DESIGN BRIEF Not applicable YES or NO 2.3 DRAWINGS Yes YES or NO See list of drawings/Annexure's attached to this document. Yes YES or NO 2.4 DESIGN PROCEDURES Not applicable YES or NO Contract drawings: Yes X No Other documents:	
Waiver of the Contractors lien or right of continuing possession is required. YES	

GUARANTEE OPTIONS	
The Tenderer agrees to provide a bank or insurance guarantee in accordance with clause 6.2.3 of the Conditions of the GCC2010 Contract within the period stated in the Contract Data. This guarantee shall be for a sum equal to an amount stated in the Contract Data.	
Guarantees submitted must be issued by either an insurance company duly registered in terms of the Insurance Act (Long Term Insurance Act No 52 of 1998 or Short Term Insurance Act No 53 of 1998) or by a bank duly registered in terms of the Banks Act No 94 of 1990, on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.	
(a) the tenderer accepts that in respect of contracts up to R1 million, a payment reduction of 5% of the contact value will be applicable and will be reduced by the Employer in terms of the applicable conditions of contract.	
(b) in respect of contracts above R1 million, the Tenderer offers to provide security as indicated below: select one option	
(i) cash deposit of 10 % of the Contract Price	
(ii) bank or insurance Performance Guarantee of 10 % of the Contract Price	
(iii) cash deposit of 5% of the Contract Price and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT)	
(iv) bank or insurance guarantee of 5% of the Contract Price and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT)	
NOTE: Where the Tenderer has not selected one of the guarantee options above, the default option will be as if the Tenderer has selected a security of a bank or insurance guarantee of 5% of the value of the Works and a payment reduction of 5% of the value certified in the payment certificate excluding value added tax. - See GCC2010 clause 6.2.2 as amended in Contract Data.	
3 SIGNATURES OF THE CONTRACTING PARTIES	
Thus done and signed at.....on	
Name of signatory	for and behalf of the Employer who by
Capacity of signatory	as Witness.
Thus done and signed at.....on	
Name of signatory	for and behalf of the Contractor who
Capacity of signatory	as Witness.



**KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC -
REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)**

C1.3 - FORM OF GUARANTEE

C1.3 PERFORMANCE GUARANTEE - GCC FOR CONSTRUCTION WORKS (2nd Edition - 2010)

Head: Public Works
KZN Department of Public Works:
Private Bag X 9041
PIETERMARITZBURG
3200

Sir,

ON DEMAND PERFORMANCE GUARANTEE

Tender Number ZNTD 06154W

Project Code 064162

For use with the General Conditions of Contract for Construction Works, Second Edition, 2010.

GUARANTOR DETAILS AND DEFINITIONS

"Guarantor" means: _____

Physical Address: _____

"Employer" means: The Provincial Administration of KwaZulu-Natal in its Department of Public Works

"Contractor" means: _____

"Engineer" means: _____

"Works" means:

KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS:
QADI TAC - REHABILITATION, REFURBISHMENT AND MAINTENANCE -
(COMPLETION CONTRACT)

"Site" means: _____

"Contract" means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

"Contract Sum" means: The accepted amount inclusive of tax of: _____

Amount in Words:

"Guaranteed Sum" means: The maximum aggregate amount of: 10% _____
Of Contract Sum

Amount in Words: _____

"Expiry Date" means: _____

CONTRACT DETAILS

Engineer Issues: Interim Payment Certificates, Final Payment Certificates and the Certificate Completion of the Works as defined in the Contract.

PERFORMANCE GUARANTEE

- 1 The Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
- 2 The Guarantor's period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the Expiry Date or the date of issue by the Engineer of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Engineer and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.
- 3 The Guarantor hereby acknowledges that:
 - 3,1 any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;
 - 3,2 its obligation under the Performance Guarantee is restricted to the payment of money.
- 4 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4.3:
 - 4,1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Engineer in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 4.2;
 - 4,2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;
 - 4,3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum Certified in 4.
- 5 Subject to the Guarantor's maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:
 - 5,1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 5; or
 - 5,2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 5; and
 - 5,3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
- 6 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 4 and 5 shall not exceed the Guarantor's maximum liability in terms of 1.
- 7 Where the Guarantor has made payments in terms of 5, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Payment Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 8 Payment by the Guarantor in terms of 4 or 5 shall be made with seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 9 Payment by the Guarantor in terms of 5 will only be made against the return of the original Performance Guarantee by the Employer.

- 10 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 11 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 12 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 13 This Performance Guarantee, with the required demand notices in terms of 4 or 5, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 14 Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Court Act No 32 of 1944, as amended, to this jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at

Date

Guarantor's signatory (1)

Capacity

Guarantor's signatory (2)

Capacity

Witness signatory (1)

Witness signatory (2)



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

**KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC -
REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)**

PART C2 - PRICING DATA

C2.1 PRICING INSTRUCTIONS GCC FOR CONSTRUCTION WORKS (Second Edition 2010)			
Project title:	KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC - REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)		
Tender no:	ZNTD 06154W	Project Code:	064162

C2.1 Pricing Instructions

	Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable") The adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories by insertion of "F", "V", "T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount variable in proportion to time.
1	MASSES AND MEASURING UNITS These shall be in accordance with the Measuring Units and National Measuring Standards Act No. 76 of 1973 and amendments thereto. The pages of each of these documents are numbered consecutively and before the Tenderer submits his tender he should check the number of pages, and if any are found missing or duplicated, or the figures or writing indistinct, or the documents contain any obvious error, he should apply to the Head : Public Works AT ONCE and have same rectified as no liability whatsoever will be admitted by the Administration in respect of errors in Tender due to the foregoing.
2	PRICES FOR VARIATIONS Where prices or quotations for variations are submitted by the Contractor during the currency of the Contract, it is to be clearly understood that these are for the purpose of consideration by the Head : Public Works and that there is no assumption of acceptance. The Contractor will be notified of acceptance of prices or quotations either by insertion of the amount on the variation order or by written intimation.
3	SCALE The scale to which the Drawings are made is only to be made use of when no figured dimensions are given either on the Drawings or in the tender documents and the figured dimensions are always to be followed though they may not coincide with the scale of the Drawings, but dimensions where possible are to be taken from the buildings.
4	PROVISIONAL ITEMS All items described as "Provisional" shall be used as directed by the Employer and measured and valued or paid for. No work for which "Provisional" items are allowed shall be commenced without written instructions from the Head : Public Works.

5	TIMELY ORDERING OF MATERIALS The Contractor is warned to place all orders for materials or special articles as early as possible, as he will be held solely responsible for any delay in the delivery of such goods. Nevertheless this tender is conditional upon no liability being attached to the Contractor if delivery of materials is rendered impossible by reason of any act of the Government.
6	ELECTRICAL LIGHTING, POWER AND WATER The Contractor shall provide any artificial lighting which may be necessary or required for the proper execution of the works, and provide electric power and water required by all Sub-Contractors, Nominated Sub-Contractors and Sub-Contractors appointed directly by the Employer. The Contractor shall give all notices and pay all fees in connection with temporary electrical and water connections and shall connect temporary Electrical and Water meters for and pay for all current and water consumed. Tenderers are advised that the permanent light fittings and water points of any kind installed in the Works are not to be used to provide temporary lighting and supplement water requirements for construction purposes.
7	IMPORT PERMITS, DUTIES AND SURCHARGES. All tenders by means of which imported products are being called for, must use the rate of exchange 14 days prior to the closing date indicated in the tender documents. If this day falls on a weekend or public holiday, the next working day must be used. Furthermore, Tenderers must submit documentary proof (in the form of a certified copy) from their bank or legally recognised financial institution, clearly indicating what the rate of exchange was 14 days prior to the closing date, as mentioned above. Together with this, the Tenderer must confirm that the tender price relating to an imported product, was based on the rate of exchange 14 days prior to the closing date as mentioned above.
8	STANDARD SYSTEM OF MEASUREMENT WHERE BILLS OF QUANTITIES FORM PART OF THE TENDER DOCUMENTS The work executed under this Contract has been measured in accordance with the; Standard System of Measuring Builders Work (7th Edition) including all amendments unless descriptions of items indicate a deviation and it shall be understood that the system of measurement which is herein adopted is the only system of measurement which will be recognised in connection with this contract. Any contradictions to this system of measurement contained in the "Model Preambles for Trades 2008" shall be disregarded (unless same have been accommodated in the system of measurement) but applicable rates shall be included for all requirements stated and not measured separately in compliance with this system.
9	PRICING OF ROCK EXCAVATIONS It is a condition of this tender that should the tenderer elect to price the Rock Excavation included in this tender, the rates must be market related and should be identically priced for the same classification of excavations and not vary for similar billed items in the different sections.

10	BROAD BASED BLACK ECONOMIC EMPOWERMENT 1. It is the deliberate policy of the Provincial Administration of KwaZulu-Natal to foster and to encourage the economic empowerment of Black South Africans. This policy will be implemented without prescription and without prejudicing the principles and the integrity of the Provincial Administration of KwaZulu-Natal. Subject to these constraints and also subject to good business practise and commercial consideration, it is therefore considered appropriate that the Provincial Administration of KwaZulu-Natal should encourage business relationships with companies which actively pursue Affirmative Action and Black Economic Empowerment Programmes. 2. In responding to this tender you are therefore encouraged to devote attention to these two subjects of Affirmative Action and Economic Empowerment. In addition, in considering the appointment of sub-contractors, you are requested to extend the spirit of these policies. 3. The foregoing enunciations of this policy are not intended to be prescriptive nor to preclude any individual or operation from responding to this tender.				
11	REGISTRATION ON THE CENTRAL SUPPLIERS DATABASE 1. In terms of the Public Finance Management Act (PFMA), 1999 (Act No 1 of 1999) Section 38 (1) (a) (iii) and 51 (1) (iii) and Section 76 (4) of PFMA National Treasury developed a single platform, The Central Supplier Database (CSD) for the registration of prospective suppliers including the varification functionality of key supplier information. 2. Prospective suppliers will be able to self - register on the CSD website: www.csd.gov.za 3. Once the supplier information has been varified with external data sources by National Treasury a unique supplier number and security code will be allocated and communicated to the supplier. Suppliers will be required to keep their data updated regularly and should confirm at least once a year that their data is still current and updated. 4. Suppliers can provide their CSD supplier number and unique security code to organs of state to view their varified CSD information. 5. Tenderers are required to fill in clearly, legibly, in bold print and black ink their CSD supplier number in the space hereunder: <table border="1" data-bbox="178 1265 1394 1406"> <tr> <td data-bbox="178 1265 641 1328">Name of Supplier</td><td data-bbox="647 1265 1394 1328"></td></tr> <tr> <td data-bbox="178 1337 641 1406">Central Supplier Database (CSD) Supplier Number:</td><td data-bbox="647 1337 1394 1406"></td></tr> </table>	Name of Supplier		Central Supplier Database (CSD) Supplier Number:	
Name of Supplier					
Central Supplier Database (CSD) Supplier Number:					
12	TAX CLEARANCE REQUIREMENTS It is a condition of tender that the taxes of the successful tenderer must be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the Tenderder's tax obligations. It is a condition of this Offer of Commission that your practice remains in good standing with SARS (South African Revenue Services) in terms of its tax clearance, during the project, which is required to process your payment certificates. 1 In order to meet this requirement tenderers are required to apply via e-filing at any SARS branch office nationally. The Tax Compliance Status (TCS) requirements are also applicable to foreign Tenderders / individuals who wish to submit Tenders. 2 SARS will then furnish the Tenderder with a Tax Compliance Status (TCS) PIN that will be valid for a period of 1 (one) year from the date of approval. 3 In tenders where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Compliance Status (TCS) PIN. 4 Application for Tax Compliance Status (TCS) PIN can be done via e-filing at any SARS branch office nationally or on the website www.sars.gov.za. 5 Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za.				

6	Tax Clearance Certificates may be printed via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za .				
	<table border="1"> <tr> <td data-bbox="177 239 531 297">Security PIN Number</td> <td data-bbox="536 239 1396 297"></td> </tr> <tr> <td data-bbox="177 304 531 362">Company / Entity Tax Reference Number</td> <td data-bbox="536 304 1396 362"></td> </tr> </table>	Security PIN Number		Company / Entity Tax Reference Number	
Security PIN Number					
Company / Entity Tax Reference Number					
13	BILLS OF QUANTITIES/LUMP SUM DOCUMENT The Bills of Quantities document forms part of and must be read and priced in conjunction with all the other documents forming part of the contract documents, the Standard Conditions of Tender, Conditions of Contract, Standard Preambles to all Trades, Specifications, Drawings and all other relevant documentation.				
14	VALUE ADDED TAX The tender price must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the Bills of Quantities must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.				
15	FIXED PRICE CONTRACT Should the Bills of Quantities/Lump Sum Document be a fixed price contract, the following clause must be inserted in the Pricing Instructions: Tenderders are to take note that the contract price adjustments are not applicable to this contract. Tenderders should therefore make provision in the Contract Sum, schedule of rates, etc. for possible price increases during the contract period, as no claims in this regard shall be entertained.				



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

**KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC -
REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)**

**C2.2 - Preliminaries for GCC for Construction works - 2nd Edition
2010**

**KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC -
REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)**

BILL NO. 1

C2.2 PRELIMINARY AND GENERAL

	NOTES	UNIT	QUANTITY	RATE	AMOUNT
i)	The agreement is to be the General Conditions of Contract for Works of Civil Engineering Construction (2010) (Second Edition) , published by the S. A. Institution Of Civil Engineering.				
ii)	The Preliminaries are to be the Construction and management requirements for works contracts - Part 1: General engineering and construction works (SANS 1921-1: 2004 Edition 1) prepared by Standards South Africa and shall be deemed to be incorporated herein.				
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.				
iv)	Where standard clauses or alternatives are not entirely applicable to this contract such modifications, 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)	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.				
vii)	Time (T) related Preliminaries will only be adjusted for omissions or additions, issued by the Employer, or delays caused by the Employer, for which variation and extension of time has been granted. See Contract Data .				
	SECTION A: GENERAL CONDITIONS OF CONTRACT				
A1	General (clause 1) F:..... V:..... T:.....	Item			
A2	Basis of Contract (clause 2) F:..... V:..... T:.....	Item			
A3	Engineer (clause 3) F:..... V:..... T:.....	Item			
A4	Contractor's General Obligation (clause 4) F:..... V:..... T:.....	Item			
A5	Time and Related Matters (clause 5) - As referred to in the Contract Data under Special Condition of Contract. The Contract Period shall be deemed to include all Non – Working Days, Special Non – Working Days and the year-end Builders Annual Industry Holiday Periods. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
A6	Payment and Related Matters (clause 6) F:..... V:..... T:.....	Item			
A7	Quality and Related Matters (clause 7) F:..... V:..... T:.....	Item			
A8	Risk and Related Matters (clause 8) F:..... V:..... T:.....	Item			
A9	Termination of Contract (clause 9) F:..... V:..... T:.....	Item			
A10	Claims and Disputes (clause 10) F:..... V:..... T:.....	Item			
SECTION B: SANS 1921-1:2004 (Edition 1): CONSTRUCTION AND MANAGEMENT REQUIREMENTS FOR WORKS CONTRACTS: PART 1					
Refer to the SCOPE OF WORK for detail requirements:					
B1	Scope F:..... V:..... T:.....	Item			
B2	Normative references F:..... V:..... T:.....	Item			
B3	Definitions F:..... V:..... T:.....	Item			
B4	Requirements for construction and management F:..... V:..... T:.....	Item			
B4.1	General F:..... V:..... T:.....	Item			
B4.2	Responsibilities for design and construction F:..... V:..... T:.....	Item			
B4.3	Planning, programme and method statements F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
B4.4	Quality assurance F:..... V:..... T:.....	Item			
B4.5	Setting out F:..... V:..... T:.....	Item			
B4.6	Management and disposal of water F:..... V:..... T:.....	Item			
B4.7	Blasting F:..... V:..... T:.....	Item			
B4.8	Works adjacent to services and structures F:..... V:..... T:.....	Item			
B4.9	Management of the Works and site F:..... V:..... T:.....	Item			
B4.10	Earthworks F:..... V:..... T:.....	Item			
B4.11	Testing F:..... V:..... T:.....	Item			
B4.12	Materials, samples and fabrication drawings F:..... V:..... T:.....	Item			
B4.13	Equipment F:..... V:..... T:.....	Item			
B4.14	Site establishment F:..... V:..... T:.....	Item			
B4.15	Survey control F:..... V:..... T:.....	Item			
B4.16	Temporary works F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
B4.17	Existing services F:..... V:..... T:.....	Item			
B4.18	Health and safety F:..... V:..... T:.....	Item			
B4.19	Environmental requirements F:..... V:..... T:.....	Item			
B4.20	Alterations, additions, extensions and modifications to existing works F:..... V:..... T:.....	Item			
B4.21	Inspection of adjoining structures, services, buildings and property F:..... V:..... T:.....	Item			
B4.22	Attendance on nominated and selected subcontractors F:..... V:..... T:.....	Item			
SECTION C: SCOPE OF WORK in accordance with SANS 10403 (The reference to Clauses refer to Table B.1 of SANS 1921-1:2004)					
C1	Certification by recognised bodies - CLAUSE 4.4 F:..... V:..... T:.....	Item			
C2	Agrément certificates - CLAUSE 4.5 F:..... V:..... T:.....	N/A			
C3	Other services and facilities - CLAUSE 4.8 F:..... V:..... T:.....	Item			
C4	Recording of weather - CLAUSE 5.2 F:..... V:..... T:.....	Item			
C5	Management meetings - CLAUSE 5.3 F:..... V:..... T:.....	Item			
C6	Daily records CLAUSE 5.6 F:..... V:..... T:.....	Item			
C7	Bond and guarantees - CLAUSE 5.7 F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
C8	Permits - CLAUSE 5.9 F:..... V:..... T:.....	Item			
C9	Proof of compliance with the law - CLAUSE 5.10 F:..... V:..... T:.....	Item			
SECTION D: SPECIFICATION DATA ASSOCIATED WITH SANS 1921-1:2004 (Table A.1)					
D1	Requirements for drawings, information and calculations for which the contractor is responsible CLAUSE 4.1.7 F:..... V:..... T:.....	Item			
D2	The responsibility strategy assigned to the contractor for the works CLAUSE 4.2.1 F:..... V:..... T:.....	Item			
D3	The planning, programme and method statements - CLAUSE 4.3 F:..... V:..... T:.....	Item			
D4	Samples of materials, workmanship and finishes - CLAUSE 4.12.1 F:..... V:..... T:.....	Item			
D5	Fabrication drawings that the contractor is to provide and deliver to the employer - CLAUSE 4.12.2 F:..... V:..... T:.....	Item			
D6	Office for the foreman CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D7	Telephone - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D8	Office for inspector of works - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D9	Telephone in office for inspector of works - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
D10	Sheds - CLAUSE 4.14.3 F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
D11	Provision and erection of signboards - CLAUSE 4.14.6 F:..... V:..... T:.....	Item			
D12	Termination, diversion or maintenance of existing services - CLAUSE 4.17.1 F:..... V:..... T:.....	Item			
D13	Services which are known to exist - CLAUSE 4.17.3 F:..... V:..... T:.....	Item			
D14	Detection apparatus - CLAUSE 4.17.4 F:..... V:..... T:.....	Item			
D15	Additional health and safety requirements - CLAUSE 4.18 F:..... V:..... T:.....	Item			
	SECTION E: SPECIFIC PRELIMINARIES <u>Section E contains Specific Preliminary items which apply to this contract except where "N/A" (Not Applicable) appears against the item.</u>				
E1	PROPRIETARY BRANDED PRODUCTS 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. F:..... V:..... T:.....	Item			
E2	OVERTIME 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 Engineer/Principal Agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the Employer. F:..... V:..... T:.....	Item			
E3	AS BUILT DRAWINGS 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 Engineer/Principal Agent and the Structural Engineer for their records. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

SECTION E: SPECIFIC PRELIMINARIES		UNIT	QUANTITY	RATE	AMOUNT
E4	SITE INSTRUCTIONS Site Instructions issued on site are to be recorded in triplicate in a Site Instruction book which is to be maintained on site by the Contractor. F:..... V:..... T:.....	Item			
E5	LABOUR RECORD At the end of each week the Contractor shall provide the Engineer/Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all sub-contractors on the works each day. F:..... V:..... T:..... <i>Note : In the event that the contractor fails to satisfy the requirements of this specification, the Employer (Head: Public Works) may apply any of the sanctions provided in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum per calendar day of which the required report has not been submitted.</i>	Item			
E6	PLANT RECORD At the end of each week the Contractor shall provide the Engineer/Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works. F:..... V:..... T:.....	Item			
E7	NON CESSION OF MONIES The Contractor shall not cede nor assign his rights or claims to any monies due or to become due under this contract. F:..... V:..... T:.....	Item			
E8	SECTIONAL COMPLETION When it is required that the contract be executed in sections or portions, the tenderer shall allow for all costs in this regard as no claim for additional costs will be entertained. F:..... V:..... T:.....	Item			
E9	LOCAL LABOUR It is a general requirement of this contract that persons normally resident in the locality of the works (Local Labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate Labour not be available within the locality, others may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ Local Labour. The Contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilization of Local Labour in the construction process. In this regard, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The Contractor shall, in general, maximize the involvement of the local community. F:..... V:..... T:.....	Item			
Carried forward to collection				R	

		UNIT	QUANTITY	RATE	AMOUNT
E10	IMPORT PERMITS AND DUTIES The responsibility for obtaining the necessary import permits shall rest with the successful Tenderer. No foreign exchange will be arranged or provided by the Administration. Tenderers are to allow in their tenders and pay the ordinary levy imposed on imported items in terms of item 196.10 of Part 8 of Schedule No. 1 of the Customs and Excise Act, 1964 with effect from 1 October 1989. F:..... V:..... T:.....	Item			
E11	CONTRACT PRICE ADJUSTMENT PROVISIONS (CPAP) Notwithstanding anything to the contrary contained in the GCC for Construction Works 2010 2nd Edition, this Contract shall only when the Construction Period exceeds 6 months and the Contract sum exceeds R1,000,000,00 be subject to the Contract Price Adjustment Provisions Indices Application Manual for use with P0151 indices (CPAP) (Revised 1 January 2013) as published by Statistics South Africa. Tenderers are advised that with reference to Clause 3.4.6 of the Contract Price Adjustment Provisions (CPAP) Indices Applications Manual, the Head: Public Works <u>will not accept the submission by Tenderers of lists of additional items.</u> Where this contract is a Lump Sum contract, the contract will be subject to Contract Price Adjustment Provisions (CPAP) only where the contract period equals or exceeds 6 calendar months. The applicable work group shall be WG 180 for domestic buildings or WG 181 for commercial and industrial buildings. F:..... V:..... T:.....	Item			
E12	EPWP CONDITIONS AND SPECIFICATIONS 12.1 EMPLOYMENT TARGETS E12.1 a Employment Targets The contractor needs to provide a realistic estimate on the number of jobs that the project has the potential to create throughout the project duration as the project will be implemented using labour intensive construction methods on elements where it is economical and feasible for this construction method. No of jobs to be created = [Contractor to fill in an estimated number] F:..... V:..... T:..... E12.1 b Employment requirements Tenderers are advised that this contract will be subject to the Expanded Public Works Program (EPWP) aimed at alleviating and reducing unemployment. Tenderers must allow for any costs for the employment of unskilled labour as per the requirements of the EPWP program; 1. 55% of unskilled labour to be women 2. 55% of unskilled labour to be youth aged between 18 and 35 years 3. 2% of unskilled labour to be people living with disability 4. 100% Unskilled labour utilised must reside within the boundaries of the Municipality Ward where this contract is executed, with preference to the local community closest or at the walking distance to the contract site. Wherever possible local skilled tradesmen are to be employed on this contract with the view to maximize utilization of local resources. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
E12.1 c Labour rate and payment intervals The contractor should ensure that labour rate paid to unskilled local labour is commensurate to the daily task. When determining the rate, consideration should be given to that EPWP beneficiaries are mostly bread winners in their families, as the program intends alleviating poverty. There should also be consideration that the labour rate promotes creation of expanded number of jobs created and person days of work. Contractors should make endeavours to ensure that labourers, particularly unskilled are remunerated on fortnight basis and prior notification be made should there be a shortfall on their wages. The labour rate for local unskilled shall also be determined in consideration of the location of the project, i.e. for projects implemented in urbanized municipalities will not be the same as that for rural municipalities. F:..... V:..... T:..... 12.2 LABOUR INTENSIVE CONSTRUCTION METHOD E12.2 a Labour Intensive Construction (LIC) method On site there must a person(s) having competency in managing and implementing LIC methods. *Foreman @ NQF Level 4 the Unit Standard on Implementing LIC methods on site. *Site Agent/ Managers @ NQF level 5 the Unit Standard on Manage Labour-Intensive Skills Programme both must be CETA accredited F:..... V:..... T:..... E12.2 b Labour Intensive Construction Method Those parts of the contract to be constructed using Labour Intensive methods will be marked in the BoQ with letter LI (indicating Labour Intensive) against every item so designated. Such works will only be constructed using method so indicated. Reference to be made to Guidelines for the implementation of Labour Intensive Infrastructure projects under EPWP. "Scope of Work in Respect of Work Relating to the Expanded Public Works Programme (EPWP)" F:..... V:..... T:..... E12.3 RECORD KEEPING 12.3.1 Every employer must keep in the project site office the following minutes of site progress minutes; contractors' monthly site progress reports; accurately recorded attendance register; proof of payment as means to verify authenticity of data in the EPWP Beneficiary form submitted with payment certificates. Copies of submitted EPWP beneficiary data forms should also be kept in the site office. F:..... V:..... T:..... 12.3.2 The employer must keep this record for a period of at least three (3) years after the completion of the project in his/her office as the project site office would have been relocated. This should be safely kept for job creation data verifications and periodical audits on projects conducted by National and Provincial Department of Public Works after one (1) or two (2) quarters of submitting captured EPWP Data to the National EPWP coordinating Department. F:..... V:..... T:.....	Item			
	Item			
	Item			
	Item			
	Item			
Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
E12.4 EPWP REPORTING as per EPWP DATA FORM At the end of each month as part of site progress report and to be attached to every contractors' progress payment certificate; the contractor shall provide the principal agent & Public Works with a written records, as per EPWP data form; which will be reflecting, beneficiaries full name & surname; ID No and job description of labour employed by main contractor and sub-contractors on site. At the end of each month the contractor must submit the following documents to be attached to the Progress payment certificate: 1. EPWP monthly data collection form 2. Worker monthly payment upload 3. Worker monthly proof of payment i.e 3.1 Acknowledgement of receipt of payment or 3.2 Payslips 3.3 Bank statement highlighted the workers paid 4. Worker monthly training form 5. Monthly attendance register 6. Certified copies of ID's (once off) 7. ID size photos (once off) 8. Proof of UIF 9. Proof of COIDA F:..... V:..... T:..... E12.5 EPWP PROMOTION 12.5.1 EPWP signage board EPWP Program at the project level shall always be promoted through have the projects signage board that embrace EPWP logo at the bottom, correct measurement for this signage board will be provided by the project leader during the site handing over meeting. the standard "HELVETIVA MEDUIM " letters are to be used . Professional title to be 10 mm above line . Line thickness to be 8 mm thick . Space between bottom of the line and bottom of the lettering below the line has to be 100 mm. Letter sizes are as follows : Helvetica meduim 100 mm black upper case to be for project name and owner . Helvetica meduim 75mm black upper case only to be used for professional titles. Project name and owner shall be black lettering on white background. board sizes are as follows : Board to be minomum 2000mm from ground level and to be constructed from reinforced formed chromadek panels minimum 0,6mm thick chromadek. The contractor is responsible for ensuring that the project board remains neatly and safely erected for the full duration including maintenance period, after which the project board and post are to be dismantled and handed to the client in good order. F:..... V:..... T:..... 12.5.2 Branding of labour apparel Contractor & Sub-contractors' labourers shall be provided with EPWP branded Personal Protective Equipment (PPE), reflector vest with EPWP wording at the back is an ideal and cost effective means of promoting program on site. The contractor is then advised to price for both item 17.5.1 and 17.5.2 F:..... V:..... T:..... E12.6 COMMUNITY LIAISON OFFICER (CLO) UTILISATION OF A COMMUNITY LIAISON OFFICER In addition to the requirements of Clause E9, contained in this document; The Contractor shall allow for and pay any and all costs necessary for the engagement of the services of a Community Liaison Officer (CLO) for the full duration of this contract In the interest of providing a sound service to both the community and the Contractor, a CLO may only manage one project at a given time. A CLO will be identified by the local structures of the ward areas and appointed following fair and transparent interviewing process, to be conducted in the presence of local structures and the contractor representative, in order to assist the Contractor in the procurement of any local labour, etc. required for this project. The Contractor is to liaise with the CLO and afford him any assistance needed in ensuring sound working relations with the local community.	Item			
	Item			
	Item			
Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
	Key Responsibilities of the CLO are envisaged to include and not necessary be limited to: 1. Assisting local leadership in conducting skills and resources audit which facilitates sourcing labour from within the ward or targeted areas for employment, as required by contractor. 2. Assisting in sourcing labour-only domestic sub-contractors and the procurement of materials from local resources, as required by the contractor. 3. Assisting the contractor by identifying areas of potential conflict and or threats to the project or to stakeholders in the project and recommend appropriate action to the contractor. 4. Assisting contractor and stakeholders in the project in the resolution of any conflict which may arise. 5. Establishing and ensuring that sufficient and open communication channels between the contractor and the work force are maintained. 6. Establish and ensuring that efficient and open communication channels between the contractor and the community are maintained 7. Identifying and reporting to the Contractor regarding issues where communication between stakeholder is necessary, recommend courses of action and facilitate such communications				
	Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
8. Assisting the Contractor and the work force in the establishment of grievance procedures and necessary recommendation to the Contractor regarding the grievances and solution thereto. 9. Attending to site meetings and project implementation meetings as required by the Contractor and prepare periodic reports as may be required by the Contractor from time to time. 10. Attending to such other duties which are consistent with the functions of a CLO, as may be required by the Contractor from time to time. Tenderers are to price twice the rate of unskilled local labour rate against this item for any and all costs arising out of compliance with the foregoing and in the event of a Tenderer failing to price against this item or making inadequate financial provision against this item for compliance as aforesaid, then no claim for costs or additional cost incurred will be entertained by the Head: Works F:..... V:..... T:..... E12.7 SKILLS DEVELOPMENT ON SITE Contractor in conforming to the object of EPWP that its beneficiaries need to be capacitated with skills that will render them employable in the future. It is then the responsibility of the Contractor that mandatory life skills are provided to 100% of workforce on site and on the job training to labourers from whom the potential for further development has been identified. The latter is not mandatory to all as it covers technical skills. Contractor should also make provision for the possibility that there might be local youth that will need to be placed on the project with an intention to be provided support towards improving their level of competency and productivity. Contractor shall also provide all necessary on-the-job training to targeted labour to enable such labour to master and advance on techniques required to undertake the work in accordance with requirements of the contract in a manner that does not compromise workers health and safety. F:..... V:..... T:..... E12.8 LABOUR ONLY Sub Contracting for local emerging enterprises Tenderer's are advised that this contract is subject to the Expanded Public Works Programme (EPWP) and the following criteria will apply: <u>African Equity Ownership</u> a) The Tenderer is to allow for 5% of the total value of works to be undertaken by a Priority Population Group. This percentage excludes the costs of employing local unskilled labour. The allocation of this percentage from the Project, the screening of people, the selection of skills, will be for the Contractor to adjudicate. b) The Priority Population Group consists of women, youth and disabled people. c) The Contractor is to give first option for prospective PPG's from the surrounding areas of the Project. Should there be insufficient suitable people fitting the criteria of PPG's, the Contractor may hire people from further afield. This is to be done only after consultation with the Department of Works EPWP Co-ordinator and the Community Liaison Officer (CLO). d) A Mentor is to be employed by the Contractor, in consultation with the Department of Works for the purposes of quality control and liaison between the Contractor and the selected PPG's on site. The mentor will be responsible for ensuring an acceptable level of quality workmanship and that such work carried out by the PPG's is executed within the time frames stipulated. In so far as possible, the Contractor is encouraged to expand the PPG's skills, knowledge and performance levels. F:..... V:..... T:.....	Item			
	Item			
	Item			
Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
<u>TENDERER'S TO NOTE CONDITIONS</u> a) The contract to be entered into between the Contractor and the PPG's will be a LABOUR ONLY sub-contract. b) The Contractor will be responsible for ensuring that all materials for use by the PPG's in the works are to be on site timeously. The Contractor shall liaise with The Mentor and PPG to determine the nature and extent of materials required and the lead time necessary. c) The Contractor shall be responsible for the overall programming of the Works and he is to allow for monitoring the PPG's programme and progress. d) In conjunction with the Mentor, he is to allow for the supervision and mentoring (where necessary) of the PPG to ensure quality and adherence to standard building practice e) The Contractor is to allow for extra storage facilities on site for the PPG's tools and equipment. f) Basic tools shall be provided by the PPG's and where these are not available; the Contractor will supply him with the necessary tools and equipment and deduct the costs thereof from the interim claims made by the PPG. g) Work requiring specialized tools will be provided free of charge by the Contractor with the provision that these be returned upon completion of the Work. <u>CO-ORDINATION</u> The Contractor is to co-ordinate the work of all the PPG's, Sub-Contractors and Nominated Sub- Contractors appointed direct by the Employer in such a manner and at all times as will suit the building programme and he is to allow adequate access, for the PPG's, where required, to carry out their work in an efficient manner as no claims for extras in this connection will be entertained. F:..... V:..... T:..... <u>ATTENDANCE</u> The Contractor may allow for attendance upon the PPG's concerned to execute the work. The Contractor is to allow the PPG's the use of any scaffolding belonging to him while it remains so erected on the site. Where scaffolding is necessary for the use by any PPG and the Contractor has not erected any for his own use or has removed same after his own use, the Contractor shall supply sufficient scaffolding to the PPG to be erected and dismantled by the PPG and returned to the Contractor. This attendance upon PPG's to execute the work is to include for the scaffolding provisions as aforesaid and, in addition, is to include for co-operating to the fullest extent with all the parties, attending on off-loading materials, providing suitable storage for tools and materials used by the PPG's, use of general facilities such as latrines, etc., supply and cost of power, lighting, water and the like. F:..... V:..... T:..... E12.9 EPWP CONTRACT FOR LABOUR It is compulsory that shortly after the contractor and or sub contractor has appointed local labour, the employment contract should be signed by both parties, prior to commencement with works on site. The employment contract forms part of the Ministerial Determination or from the regional EPWP officials. Each contract will lapse at the end of each financial year therefore requiring the Contractor to do a renewal of each contract should the need of employment still exist for that particular labourer. F:..... V:..... T:.....	Item			
	Item			
Carried forward to collection			R	

	UNIT	QUANTITY	RATE	AMOUNT
E12.10 EPWP SCOPE of WORK Note: Contractors are to price any item on the Bill of Quantities having below, bearing in mind that they are regarded as main sources of job creation, whether sub contracted or undertaken by the main contractor. Elements on the scope of work where application of Labour Intensive Construction methods as will indicated with letters (LI) are regarded feasible are as follows; i) Excavating trenches for foundations and any other civil works with the depth not more than 1.5 m ii) All masonry works which include concrete mixing on site; brickwork; plastering; screed works; jointing; etc. iii) Painting, Plumbing, Ironmongery; roof cladding; glazing; tiling; carpentry; flooring; waterproofing; etc. F:..... V:..... T:..... Note: It is a general requirement of this contract that persons normally resident in the ward of the works (local labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate labour not be available within the ward, others may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour (Local Sub-contractor(s); Skilled; Semi-Skilled and Unskilled). The contractor shall in consultation with the local community leaders with the purpose of negotiating with them regarding the utilization of local resources in the construction process. In this regard, the contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth as well as families declared as most indigent by War on Poverty/ Sukuma Sakhe program profiling process. The contractor should aim, in general, to maximise the involvement of the local community, however workers from other communities should not exceed 20% of all persons working on the project, where local employees possess skills at level of competency that meet contractors requirements. <u>Payment for the labour-intensive component of the works</u> Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict. <u>Linkage of payment for labour-intensive component of works to submission of project data</u> The Contractor's payment invoices shall be accompanied by labour information for the corresponding period in a format specified by the employer. If the contractor chooses to delay submitting payment invoices, labour returns shall still be submitted as per frequency and timeframe stipulated by the Employer. The contractor's invoices shall not be paid until all pending labour information has been submitted. <u>Applicable labour laws</u> The current Ministerial Determination (also downloadable at www.epwp.gov.za) Expanded Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice , shall apply to works described in the scope of work as being labour-intensive and which are undertaken by unskilled or semi-skilled workers. F:..... V:..... T:.....	Item			
Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E13	HIV/AIDS AWARENESS Tenderers are to price against the following items for compliance with the SPECIFICATION FOR HIV/AIDS AWARENESS bound into this document (The clauses referred to are those of the Specification for HIV/AIDS)				
E13.1	Provide and maintain a condom dispenser in terms of Clause 5.1a) F:..... V:..... T:.....	Item			
E13.2	Provide and maintain HIV/AIDS awareness posters terms of Clause 5.1b) F:..... V:..... T:.....	Item			
E13.3	HIV /Aids Awareness Programme on Site for not less than 90% of workers inclusive of all direct and indirect costs; Engage a qualified service provider as described in the scope of works to conduct an HIV Awareness Programme in terms of Clause 5.2.1a) F:..... V:..... T:.....	Item			
E13.4	Arrange for workers to attend the HIV Awareness Programme in terms of Clause 5.2.1b) F:..... V:..... T:.....	Item			
E13.5	Reporting Prepare and attach to claims for payment a brief report in terms of Clause 5.3 (see also HIV/STI Compliance Report included with this document). F:..... V:..... T:..... <i>Note: In the event that the contractor fails to satisfy the requirements of this specification, the employer (Head: Public Works) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum per calendar day of which the required reports has not been submitted.</i>	Item			
E14	OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 OF 1993 Tenderers are to allow for costs in providing a project specific ' Construction Phase Safety, Health and Environmental Plan' in accordance with "Section 2 - Specification Data associated with SANS 1921-1:2004" clause C4.18 in "Part C3 - Scope of Work" F:..... V:..... T:.....	Item			
E15	NOTICE BOARD, SITE OFFICE, ETC. Tenderers are to allow for the provision and removal of a project notice board and a site office in accordance with the Principal Agent's requirements. F:..... V:..... T:.....	Item			
E16	IMPORTED MATERIALS AND EQUIPMENT Where imported items are listed in the tender documents, the tenderer shall provide all information called for, failing which the price of any such item, material or equipment shall be excluded from currency fluctuations. (Refer to T2.14 - Schedule of Imported Materials and Equipment). F:..... V:..... T:.....	Item			
E17	CONTRACT DOCUMENTS The drawings issues with these Tender documents do not comprise the complete set but serves as a guide only for tendering purposes and for indicating the scope of works to enable the Tenderer to acquaint him with the nature and extent of the works and the manner in which they are to be executed. Should any part of the drawings not be clearly legible to the Tenderer he shall, before submitting his Tender, obtain clarification in writing from the principal agent. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E18	GENERAL PREAMBLES The Document Preambles will be the "ASAQS Model Preambles for Trades – 2008" and is obtainable from the various Regional Office's of the Department of Public Works and shall be read in conjunction with the Bills of Quantities and be referred to for the full descriptions of work to be done and materials to be used. F:..... V:..... T:.....	Item			
E19	TRADE NAMES Wherever a Trade Name for any product has been described in the Bills of Quantities the Tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the Principal Agent being obtained prior to the closing date for submission of Tenders. F:..... V:..... T:.....	Item			
E20	EXISTING PREMISES OCCUPIED Refer to Scope of Works Part C3 of this Tender Document for information on the occupation of existing buildings. F:..... V:..... T:.....	Item			
E21	INACCURATE AND DEFECTIVE WORK EXECUTED UNDER PREVIOUS CONTRACT The contractor shall, after taking possession of the site and before commencing the work, check all levels, liners, profiles and the like and satisfy himself as to the dimensional accuracy of all work executed under the previous contract which may affect his work. Should any inaccurate or defective work be found, the contractor shall immediately notify the principal agent in writing requesting his instructions with regard thereto and afford every facility to those rectifying such inaccurate or defective work. F:..... V:..... T:.....	Item			
E22	VIEWING THE SITE IN SECURITY AREAS If the site is situated in a security area and the Tenderder must arrange with the Authorities to obtain permission to enter the site for Tenderding purposes. F:..... V:..... T:.....	Item			
E23	COMMENCEMENT OF WORKS IN SECURITY AREAS If the works falls within a security area, the contractor must arrange with the Authorities and give the necessary notices before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account. F:..... V:..... T:.....	Item			
E24	ENTRANCE PERMITS TO SECURITY AREAS If the works fall within a security area, the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under control of the Authority. F:..... V:..... T:.....	Item			
	Carried forward to collection			R	

		UNIT	QUANTITY	RATE	AMOUNT
E25	SECURITY CHECK OF PERSONNEL The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified. In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works. F:..... V:..... T:.....	Item			
E26	PROHIBITION ON TAKING PHOTOGRAPHS In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking photographs, except when authorised thereto by or on behalf of the Minister. The same prohibition is also applicable to all Correctional Institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959. F:..... V:..... T:.....	Item			
E27	Management of Water Water for Construction purposes must be obtained from alternative water sources (i.e. supply other than water that is produced and distributed by a regulated water service authority from a licenced water treatment works for human consumption), eg dams, rivers, boreholes, springs, rainwater harvesting, recycled sewerage water, etc. The alternative water source shall not be of an inferior quality / standard than that required for construction purposes. The client reserves the right through his agents to test such supplies or request certificates confirming the grade and nature of the water supply. Relevant knowledge of the respective area will be an advantage.				
	Carried forward to collection			R	

SECTION 1

SUMMARY – PRELIMINARY & GENERAL

Collection	Page No.	Amount	
	1	R	
	2	R	
	3	R	
	4	R	
	5	R	
	6	R	
	7	R	
	8	R	
	9	R	
	10	R	
	11	R	
	12	R	
	13	R	
	14	R	
	15	R	
	16	R	
	17	R	
Carried forward to Final Summary		R	
Section No. 1 Preliminary & General Summary			



KWAZULU-NATAL PROVINCE
PUBLIC WORKS & INFRASTRUCTURE
REPUBLIC OF SOUTH AFRICA

**KWAZULU NATAL: DEPARTMENT OF COGTA: ETHEKWINI REGIONS: QADI TAC -
REHABILITATION, REFURBISHMENT AND MAINTENANCE - (COMPLETION CONTRACT)**

PART C2.2 BILL OF QUANTITIES

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 1</u>			
	<u>MAIN BUILDING</u>			
	<u>ALTERATIONS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Taking out and removing doors, windows, etc from brickwork to be demolished</u>			
1	Timber single door and frame not exceeding 2,5m2	No	5	
2	Timber double door and frame exceeding 2.5m2 and not exceeding 5m2	No	3	
3	Glazed steel window not exceeding 2,5m2	No	20	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
4	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	348	
5	Corrugated metal roof covering	m2	528	
	<u>Taking out and removing sundry joinery work, fittings, etc</u>			
6	Take out and remove existing fascia and barge boards	m	116	
7	Damaged roof trusses	No	43	
8	50mm x 76mm Timber purlins	m	335	
	Carried Forward			
	Section No. 2 Main Building Bill No. 1 Alterations		R	

Brought Forward			R
<u>Taking out and removing piping, gutters, etc</u>			
9	100 x 76mm Upvc Rainwater downpipes	m	15
10	100 x 76mm Upvc Eaves gutters and brackets	m	78
<u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>			
11	Tiles from floors, including screedings	m2	150
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>			
12	Internal plaster from walls and columns	m2	234
13	External plaster from walls, columns and beams	m2	338
14	25mm Screed from floors	m2	150
15	Provide the sum R 5 0000.00 (Five Thousand Rand) for any additional alteration works	Item	5 000,00
Carried Forward to Summary of Section No. 2			
Section No. 2			
Main Building			
Bill No. 1			
Alterations			

Brought Forward			R
<u>Standard complementary blocks</u>			
Descriptions of blockwork shall be deemed to include standard complementary blocks such as corner, three-quarter, half and quarter blocks required in the construction of corners, reveals, jambs, ends, etc to solid and hollow walls and for bonding as necessary			
<u>DECORATIVE BLOCKS</u>			
Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour			
<u>SAMPLES</u>			
Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site			
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
1	One brick walls	m2	10
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
2	75mm Wide reinforcement built in horizontally	m	39
<u>Galvanised hoop iron cramps, ties, etc</u>			
3	30 x 1,6mm Cramp 500mm long with one end fixed to wood and other end built into brickwork	No	38
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Main Building			
Bill No. 2			
Masonry			

Item No	Quantity	Rate	Amount
<u>BILL NO.3</u>			
<u>ROOF COVERINGS</u>			
<u>PREAMBLES</u>			
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
<u>SHEETING</u>			
Safintra or other similar approved 0,53mm thick SAFLOK 700 Colorplus® AZ150 interlocking roof sheeting fixed to timber internal purlins at 2000mm, and ridge/eaves purlins at 1700mm centres using SAFLOK 700 clips which must be screw fixed to timber purlins with Fixtite® or Safintra approved wafer head self-tapping screws. The sheeting will be a double interlocking concealed fix SAFLOK 700 profile as manufactured by Safintra Roofing, roll formed in continuous lengths from certified G550 steel or aluminium 3004 H14. The profile shall be roll formed with 4 ribs and centres not exceeding 233mm and a cover width not exceeding 700mm. The male rib is to include spurs to ensure a double interlocking action with adjacent sheets. The minimum sheet depth will be 41mm. Two stiffening ribs are incorporated in each pan			
<u>MATERIAL AND FINISH FOR SAFLOK ROOF SHEETING OR OTHER EQUALLY APPROVED</u>			
ZincAL® AZ150 or other equally approved coated steel G550 with a ColorPLUS® colour coated finish to one side, colour (sample of colour to be approved on site) with a Cool Grey backing coat			
Carried Forward			R
Section No. 2 Main Building Bill No. 3 Roof Coverings, claddings, etc			

Brought Forward

R

FIXING SAFLOK OR OTHER EQUALLY APPROVED

The Saflok or other equally approved sheets shall be fixed to every purlin by means of patented SAFLOK 700 clips having spurs which will securely hold the sheets in position and lock in the sidelap and both centre ribs. The SAFLOK 700 clips shall be manufactured from Galvanized steel and shall be fixed with the appropriate self-drilling/tapping

SAFLOK FLASHINGS OR OTHER EQUALLY APPROVED

Flashings specifications shall be to the Safintra or other equally approved standards and fixed to the sheeting with S10 brackets or, Sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from Global Roofing Solutions

PROFILED METAL SHEETING AND ACCESSORIES

0.53mm "Saflok 700 Colourplus" aluminium zinc (AZ 150) or other equally approved ribbed double interlocking roof sheeting in single lengths and accessories with "Colourplus " colour coated finish on one side, fixed to timber purlins in strict accordance with the manufacturer's recommendation

1	Roof covering with pitch not exceeding 25 degrees	m2	528
2	Ridge capping (550mm girth) screwed through sheeting to purlins	m	37
<u>Sundries</u>			
3	Sondor IBR pattern polyclosures to underside of ridge capping	m	74

Carried Forward

R

Section No. 2
Main Building
Bill No. 3
Roof Coverings, claddings, etc

Brought Forward			R
4	"Sondor" IBR pattern eaves polycloser	m	74
5	"Sondor" IBR pattern metal closure	m	74
<u>ROOF AND WALL INSULATION</u>			
<u>"Sisalation FR430" or equal and approved Heavy Industrial Grade Aluminum Foil based insulation</u>			
6	Insulation laid taut over purlins (at approximately 450mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	326
Carried Forward to Summary of Section No. 2 Section No. 2 Main Building Bill No. 3 Roof Coverings, claddings, etc			R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
	<u>Sawn softwood</u>			
1	38mm x 114mm wall plates including bedding level in cement mortar	m	78	
	<u>The following in plate nailed timber roof trusses with pitch not exceeding 27.5 degrees, from an approved supplier, delivered to site, hoisted in position, fixed and braced on timber wall plates</u>			
2	Double pitch timber roof truss, with 600mm over-hang both sides and tie beam spanning 8.00 - 9.00m	No	32	
3	Double pitch timber roof truss, with 600mm over-hang both sides and tie beam spanning 11.00 - 12.00m	No	11	
	<u>Wrought softwood</u>			
4	50 x 76mm Purlins	m	335	
	<u>EAVES, VERGES, ETC</u>			
	<u>Everite or other equally approved fibre-cement fascias and barge boards</u>			
5	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	81	
6	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	34	
	Carried Forward			R
	Section No. 2 Main Building Bill No. 4 Carpentry and Joinery			

Brought Forward			R
<u>DOORS ETC</u>			
<u>Wrought meranti framed, ledged and braced batten doors hung to steel or timber frames</u>			
7	44mm Single door 762 x 2032mm high approved Frame & Ledge Open Back Engineered door for use in semi exterior conditions	No	5
8	44mm Double door 1413 x 2062mm high Framed and Ledged Braced for use in semi exterior conditions	No	3
<u>FRAMED FRAMES, MULLION, TRANSOMS ETC</u>			
9	75 x 100mm rebated hardwood frame to fit doors. Frame to be built into wall with galvanized hoop iron nailed to frame and turned into brickwork	m	45
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Main Building			
Bill No. 4			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>BILL No. 5</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>NAILED UP CEILINGS</u>			
	<u>6.4mm SABS approved gypsum plasterboard ceilings to steel brancing spaced at 400 C/C joined with joiner sections and hung with suspension bracket including standard steel perimeter angles fixed to walls with new 75mm plasterboard covered cornices all around. Prepare surfaces to receive paint</u>			
1	Ceilings including 38 x 38mm sawn softwood brancing at 400mm centres in one direction	m2	348	
2	75mm Coved cornices mitred at corners	m	206	
	<u>Trapdoors</u>			
3	Extra over ceiling for 600 x 600mm trap door	No	1	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Main Building			
	Bill No. 5			
	Ceilings, Partitions and access flooring			

Item No		Quantity	Rate	Amount
	<u>BILL No. 6</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>LOCKSETS, ETC</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
1	22314-76/5SS 314 W/C 5mm lock - stainless steel	No	8	
2	QR35X85MMSW-SS Roller latch and swing dead bolt mortice lock - 35mm backset	No	8	
3	SS5305-05H Escutcheon on rose profile	No	8	
	<u>HANDLES</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
4	PHD-BB-300-22SS Pull handle - 300mm ctc	Pairs	9,0	
	<u>PUSH PLATES AND KICK PLATES</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
5	SS5089-200W09 kick plate 200x800mm works	No	2	
	<u>DOOR CLOSERS AND FLOOR SPRINGS</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
6	DC200 R&P Closer EN2-4 SIL	No	2	
	Carried Forward		R	
	Section No. 2 Main Building Bill No. 6 Ironmongery			

Brought Forward			R
7	DCA154-EV1 Parallel arm bracket	No	8
<u>LETTERS, NAMEPLATES, ETC</u>			
<u>Statutory signage to be SABS approved and photo luminescent, external signage to be UV rated</u>			
<u>Red and white single sided signage screwed fixed on to walls as per manufacturer's details</u>			
8	190 x 190mm Arrow sign	No	9
9	190 x 190mm Fire extinguisher sign	No	2
10	300 x 200mm Fire exit keep clear sign	No	7
<u>SUNDRIES</u>			
11	Coat hook	No	2
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Main Building			
Bill No. 6			
Ironmongery			

Item No		Quantity	Rate	Amount
	<u>BILL No. 7</u>			
	<u>METALWORK</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>ALUMINIUM WINDOWS, DOORS ETC</u>			
	<u>6,38mm Laminated safety glass aluminium windows suitable for coastal conditions complying with AAMSA performance criteria A2, able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 1500Pa, Natural anodized finished</u>			
1	Window size 1007 x 1537mm (W1)	No	9	
2	Window size 1046 x 1484mm (W4)	No	8	
3	Window size 600 x 1484mm (W5)	No	8	
	<u>HOT-DIPPED GALVANIZED STEEL BURGLAR BARS</u>			
	All windows shall be fitted with standard brass fittings as recommended by the manufacturer.			
	Burglar bars shall be standard pattern 3 x 20mm flat section bars corresponding horizontally and vertically with glazing bars			
	Burglar bars to be fitted to opening sections only			
	<u>50 x 50mm Hot dipped galvanised vertical bars with rounded ends and polished edges and fixed to wall with 10mm diameter counter sunk expansion bolts through 19mm diameter steel pipe spacers with bolt heads securely epoxy fixed to frame. 19mm Diameter hot dipped galvanised steel pipes equally spaced and welded to vertical bars</u>			
4	Burglar bar size 1007 x 1537mm high	No	9	
	Carried Forward		R	
	Section No. 2 Main Building Bill No. 7 Metalwork			

Brought Forward			R
5	Burglar bar size 1046 x 1484mm high	No	8
6	Burglar bar size 600 x 1484mm high	No	8
<u>HOT-DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u>			
<u>1.6mm Double rebated frames suitable for one brick walls</u>			
7	Frame for door 813 x 2032mm high	No	8
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Main Building			
Bill No. 7			
Metalwork			

Item No		Quantity	Rate	Amount
	<u>BILL No. 8</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>SCREED</u>			
	<u>1:4 Cement plaster screeds wood floated on concrete</u>			
1	25mm Thick on floors and landings	m2	150	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster wood floated on existing brickworks surfaces</u>			
2	On walls	m2	234	
3	On narrow widths	m2	16	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster wood floated on existing brickworks surfaces</u>			
4	On walls	m2	338	
5	On narrow widths not exceeding 300mm	m2	24	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Main Building			
	Bill No. 8			
	Plastering			
			R	

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>RAINWATER DISPOSAL</u>			
	<u>Marley Streamline Double -Flo or equally approved 110x125mm rectangular profiled PVC gutter system to manufacturer approved clips fixed to and spaced along fascia boards at manufacturer's recommended measurements</u>			
1	100 x 125mm Eaves gutters	m	79	
2	Extra over 100 x 125mm eaves gutter for stopped end	No	12	
3	Extra over 100 x 125mm eaves gutter for outlet pipe	No	12	
4	100 x 125mm rectangular Rainwater down pipes	m	36	
5	Extra over 100 x 125mm rainwater pipe for bend.	No	24	
6	Extra over 100 x 125mm rainwater pipe for shoe	No	12	
	<u>FIRE APPLIANCES ETC</u>			
7	4,5kg Dry chemical fire extinguisher including approved vandalproof cabinet and signage to comply with SABS code of practice 0400, all to the approval and satisfaction of local fire department	No	2	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Main Building			
	Bill No. 10			
	Plumbing and Drainage			

[illegible]

Brought Forward			R
<u>ON FLOATED PLASTER</u>			
<u>"Plascon" or other equally approved Primer (PP700) and two coats "Velvaglo" water based paint for interior use</u>			
1	On internal walls	m2	234
2	On narrow widths not exceeding 300mm	m2	16
<u>ON FIBRE-CEMENT</u>			
<u>Two coats extremely durable uv-resistant washable pure acrylic paint</u>			
3	On fascias and barge boards	m2	116
<u>ON FLOATED PLASTER</u>			
<u>One coat primer, one coat approved universal undercoat and two coats "Dulux" or other approved alkali resistant primer and two coats "Dulux trade 100 Lowsheen" emulsion paint for interior use, applied in strict accordance with manufacturer's instruction</u>			
4	Ceilings including priming metal cover strips and nailheads	m2	340
5	Cornices	m2	206
<u>ON WOOD</u>			
<u>One coat wood primer, one coat Universal Undercoat and two finishing coats of Plascon Velvaglo or similar approved, sanding lightly between coats</u>			
6	On doors	m2	47
7	On door frames	m2	11
Carried Forward			R
Section No. 2 Main Building Bill No. 12 Paintwork			

Brought Forward

R

ON EXTERNAL FLOATED PLASTER

One coat professional plaster primer, and two coats "Plascon" or other approved "Wall-and-All" interior quality paint

8	On internal walls	m2	338
9	On narrow widths not exceeding 300mm	m2	24

Carried Forward to Summary of Section No. 2

R

Section No. 2
Main Building
Bill No. 12
Paintwork

Bill No	SECTION SUMMARY - Main Building	Page No	Amount
1	Alterations	20	
2	Masonry	22	
3	Roof Coverings, claddings, etc	25	
4	Carpentry and Joinery	27	
5	Ceilings, Partitions and access flooring	28	
6	Ironmongery	30	
7	Metalwork	32	
8	Plastering	33	
9	Tiling	34	
10	Plumbing and Drainage	35	
11	Mechanical Works	36	
12	Paintwork	39	
Section No. 2 Main Building		Carried to Final Summary	R

Item No		Quantity	Rate	Amount
	<u>SECTION No. 3</u>			
	<u>BILL NO.1</u>			
	<u>ALTERATIONS</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Breaking down and removing brickwork etc</u>			
1	Half brick walls	m2	4	
	<u>Taking out and removing doors, windows, etc from brickwork to be demolished</u>			
2	Timber single door and frame not exceeding 2,5m2	No	4	
3	Glazed metal window not exceeding 2,5m2	No	10	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
4	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	68	
5	Profiled or corrugated metal roof sheeting from purlins to remain	m2	111	
	<u>Taking out and removing sundry joinery work, fittings, etc</u>			
6	Take out and remove existing fascia and barge boards	m	46	
7	Damaged roof trusses	No	8	
8	50mm x 76mm Timber purlins	m	97	
	<u>Taking out and removing piping, gutters, etc</u>			
9	Rainwater downpipes	m	7	
	Carried Forward			R
	Section No. 3 Dining Area Bill No. 1 Alterations			

	Brought Forward			R
10	Eaves gutters and brackets	m	29	
	<u>Hacking up/off and removing ceramic tiles</u>			
11	Tiles from floors, including screedings	m2	68	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>			
12	Internal plaster from walls, columns and beams	m2	124	
13	External plaster from walls, columns and beams	m2	118	
14	25mm Screed from floors	m2	68	
Carried Forward to Summary of Section No. 3				R
Section No. 3				
Dining Area				
Bill No. 1				
Alterations				

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Brought Forward

R

FIXING SAFLOK OR OTHER EQUALLY APPROVED

The Saflok or other equally approved sheets shall be fixed to every purlin by means of patented SAFLOK 700 clips having spurs which will securely hold the sheets in position and lock in the sidelap and both centre ribs. The SAFLOK 700 clips shall be manufactured from Galvanized steel and shall be fixed with the appropriate self-drilling/tapping

SAFLOK FLASHINGS OR OTHER EQUALLY APPROVED

Flashings specifications shall be to the Safintra or other equally approved standards and fixed to the sheeting with S10 brackets or, Sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from Global Roofing Solutions

PROFILED METAL SHEETING AND ACCESSORIES

0.53mm "Saflok 700 Colourplus" aluminium zinc (AZ 150) or other equally approved ribbed double interlocking roof sheeting in single lengths and accessories with "Colourplus " colour coated finish on one side, fixed to timber purlins in strict accordance with the manufacturer's recommendation

1	Roof covering with pitch not exceeding 25 degrees	m2	111
2	Ridge capping (550mm girth) screwed through sheeting to purlins	m	8
<u>Sundries</u>			
3	Sondor IBR pattern polyclosures to underside of ridge capping	m	16

Carried Forward

R

Section No. 3
Dining Area
Bill No. 3
Roof Coverings, claddings, etc

Carried Forward to Summary of Section No. 3
 Section No. 3
 Dining Area
 Bill No. 3
 Roof Coverings, claddings, etc

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
	<u>The following in plate nailed timber roof trusses with pitch not exceeding 27.5 degrees, from an approved supplier, delivered to site, hoisted in position, fixed and braced on timber wall plates</u>			
1	Double pitch timber roof truss, with 600mm over-hang both sides and tie beam spanning 8.00 - 9.00m	No	17	
	<u>Sawn softwood</u>			
2	38mm x 114mm wall plates including bedding level in cement mortar	m	30	
	<u>Wrought softwood</u>			
3	50 x 76mm Purlins	m	97	
	<u>EAVES, VERGES, ETC</u>			
	<u>Everite or other equally approved fibre-cement fascias and barge boards</u>			
4	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	29	
5	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	16	
	Carried Forward		R	
	Section No. 3 Dining Area Bill No. 4 Carpentry and Joinery			

Brought Forward			R
<u>DOORS ETC</u>			
<u>Wrought meranti framed, ledged and braced batten doors hung to steel or timber frames</u>			
6	44mm Single door 762 x 2032mm high approved Frame & Ledge Open Back Engineered door for use in semi exterior conditions	No 4	
<u>FRAMED FRAMES, MULLION, TRANSOMS ETC</u>			
7	75 x 100mm rebated hardwood frame to fit doors. Frame to be built into wall with galvanized hoop iron nailed to frame and turned into brickwork	m 21	
<u>FITTINGS</u>			
8	Allow the sum R 16 500.00 (Sixteen Thousand Five Hundreds Rand) (net) for the supply and installation of Kitchen cupboard unit	Item	16 500,00
9	Profit		%
10	Attendance		%
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Dining Area			
Bill No. 4			
Carpentry and Joinery			

CEILINGS, PARTITIONS AND ACCESS FLOORING

NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications

6.4mm SABS approved gypsum plasterboard ceilings to steel brancing spaced at 400 C/C joined with joiner sections and hung with suspension bracket including standard steel perimeter angles fixed to walls with new 75mm plasterboard covered cornices all around. Prepare surfaces to receive paint

1	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres in one direction	m2	348
	<u>Trapdoors</u>		
2	Extra over ceiling for 600 x 600mm trap door	No	1
	<u>Cornices, etc</u>		
3	75mm Coved cornices mitred at corners	m	206

Trapdoors

Cornices, etc

Carried Forward to Summary of Section No. 3

Section No. 3
Dining Area
Bill No. 5
Ceilings, Partitions and access flooring

R

Item No		Quantity	Rate	Amount
	<u>BILL No. 6</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>LOCKSETS, ETC</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
1	22314-76/5SS 314 W/C 5mm lock - stainless steel	No	4	
2	QR35X85MMSW-SS Roller latch and swing dead bolt mortice lock - 35mm backset	No	4	
3	SS5305-05H Escutcheon on rose profile	No	4	
	<u>HANDLES</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
4	PHD-BB-300-22SS Pull handle - 300mm ctc	Pairs	4,0	
	<u>PUSH PLATES AND KICK PLATES</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
5	SS5089-200W09 kick plate 200x800mm works	No	1	
	<u>DOOR CLOSERS AND FLOOR SPRINGS</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
6	DCA154-EV1 Parallel arm bracket	No	4	
	Carried Forward			
	Section No. 3			
	Dining Area			
	Bill No. 6			
	Ironmongery			

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Item No		Quantity	Rate	Amount
	<u>BILL No. 7</u>			
	<u>METALWORK</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>ALUMINIUM WINDOWS, DOORS ETC</u>			
	<u>6.38mm Laminated safety glass aluminium windows suitable for coastal conditions complying with AAMSA performance criteria A2, able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 1500Pa, with surfaces to receive 60-80 um powder coating supplied by manufacturer complying with SANS 1578 and applied in accordance with SANS 1796 by an approved applicator, glazing shall be executed strictly in conformance with glass manufacturer's recommendations and SANS 10137:2011 all in accordance with SANS 10400 Parts B, N, XA plugged and screwed to brickwork according to manufacturer's specifications</u>			
1	Window size 1000 x 1177mm	No	8	
2	Window size 1177 x 900mm	No	1	
3	Window size 500 x 600mm	No	1	
	<u>ALUMINIUM BURGLAR BARS</u>			
	<u>Aluminium burglar bars riveted to aluminium frame</u>			
4	Burglar bar size 1000 x 1177mm high	No	8	
5	Burglar bar size 1177 x 900mm high	No	1	
6	Burglar bar size 500 x 600mm high	No	1	
	Carried Forward		R	
	Section No. 3 Dining Area Bill No. 7 Metalwork			

Brought Forward			R
<u>STEEL ROLLER SHUTTERS ETC</u>			
<u>"Serranda" or other approved roller shutters fixed to brickwork or concrete</u>			
7	Manual push-up slatted roller shutter for 1391mm x 2074mm high opening with and including lockable bolt	No	1
<u>HOT-DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u>			
<u>1.6mm Double rebated frames suitable for one brick walls</u>			
8	Frame for door 813 x 2032mm high	No	4
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Dining Area			
Bill No. 7			
Metalwork			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>RAINWATER DISPOSAL</u>			
	<u>Marley Streamline Double -Flo or equally approved 100 x 125mm Rectangular profiled PVC gutter system to manufacturer approved clips fixed to and spaced along fascia boards at manufacturer's recommended measurements</u>			
1	100 x 125mm Eaves gutters	m	29	
2	Extra over 100 x 125mm eaves gutter for stopped end	No	4	
3	Extra over 100 x 125mm eaves gutter for outlet pipe	No	5	
4	100 x 125mm Rectangular Rainwater down pipes	m	15	
5	Extra over 100 x 125mm rainwater pipe for bend.	No	10	
6	Extra over 100 x 125mm rainwater pipe for shoe	No	5	
	<u>SANITARY FITTINGS</u>			
	<u>WC suites fixed complete in position and connected to services</u>			
7	"Geberit" or other equally approved Abalona floor standing WC (Code: 500.282.01.1) for close coupled exposed cistern, horizontal outlet (White), with "Geberit" or other equally approved Abalona exposed cistern (Code: 500.282.01.1), dual flush, water supply connection (white) and "Geberit" or other equally approved Abalona WC seat white (Code: 500.331.01.1) with metal hinges bottem fix and finished all round with silicone sealant	No	1	
	Carried Forward		R	
	Section No. 3 Dining Area Bill No. 10 Plumbing and Dainage			

Brought Forward			R
8	COBRA- "welcome" medium or other equally approved round wall hung basin with pre punched centre tap hole including 40mm sink slotted waste	No	1
9	Cobra Ref 232-10 angle valve including 200mm braided flexi connector	No	4
10	110mm uPVC pan connector	No	1
<u>FRANKE or other equally approved - Nouveau satin stainless steel double bowl drop in sink with drainage board</u>			
11	Double end bowl sink and drainer, size 535mm x1500mm with 75mm splash back and tiling key on back and one end, set on unit (elsewhere measured)	No	1
<u>Extra over class piping for capillary type fittings</u>			
12	15mm elbow	No	3
13	15mm tee	No	2
<u>Class 460/1copper pipes</u>			
14	15mm pipe	m	3
15	40mm slotted waste with backnut	No	2
<u>TAPS, VALVES, ETC</u>			
<u>Taps, valves, etc. jointed to copper pipes are to include brass connectors, adaptors etc. Installation and fixings to be as per manufacturers specifications and SANS 1808-9 compliant</u>			
16	COBRA-Ledimo wall type kitchen sink mixer with aerated swivel outlet.CODE:COB-LO-266/041/10/N	No	3
17	Cobra Watertech 40mm chrome plated deep seal bottle trap with outlet for 50mm PVC (Code: 365/50)	No	1
18	Tap Basin mixer standard cobra zambezi chrome or other equally approved	No	1
19	GH angle valve bau 15x15mm	No	4
20	15mm Ball-O-stop valves	No	1
Carried Forward			R
Section No. 3 Dining Area Bill No. 10 Plumbing and Dainage			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 12</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>Previously painted plastered surfaces</u>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
Carried Forward		R	
Section No. 3 Dining Area Bill No. 12 Paintwork			

Brought Forward			R
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
<u>"Plascon" or other equally approved Primer (PP700) and two coats "Velvaglo" water based paint for interior use</u>			
1	On internal walls	m2	124
2	On narrow widths not exceeding 300mm	m2	9
<u>ON FIBRE-CEMENT</u>			
<u>Two coats extremely durable uv-resistant washable pure acrylic paint</u>			
3	On fascias and barge boards	m2	46
<u>ON FLOATED PLASTER</u>			
<u>One coat primer, one coat approved universal undercoat and two coats "Dulux" or other approved alkali resistant primer and two coats "Dulux trade 100 Lowsheen" emulsion paint for interior use, applied in strict accordance with manufacturer's instruction</u>			
4	Ceilings including priming metal cover strips and nailheads	m2	68
5	Cornices	m2	59
<u>ON WOOD</u>			
<u>One coat wood primer, one coat Universal Undercoat and two finishing coats of Plascon Velvaglo or similar approved, sanding lightly between coats</u>			
6	On doors	m2	16
7	On door frames	m2	1
Carried Forward			R
Section No. 3 Dining Area Bill No. 12 Paintwork			

R

One coat professional plaster primer, and two coats "Plascon" or other approved "Wall-and-All" interior quality paint

8	On internal walls	m2	118
9	On narrow widths not exceeding 300mm	m2	8

R

Bill No	SECTION SUMMARY - Dining Area	Page No	Amount
1	Alterations	42	
2	Masonry	43	
3	Roof Coverings, claddings, etc	46	
4	Carpentry and Joinery	48	
5	Ceilings, Partitions and access flooring	49	
6	Ironmongery	51	
7	Metalwork	53	
8	Plastering	54	
9	Tiling	55	
10	Plumbing and Drainage	58	
11	Mechanical Works	59	
12	Paintwork	62	
Section No. 3 Dining Area Carried to Final Summary			R

Brought Forward			R
<u>Taking out and removing sanitary fittings including making good wall and floor finishes and stop off services</u>			
6	Vitreous China WC suite	No	6
7	Vitreous china single wash hand basin	No	6
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Ablutions			
Bill No. 1			
Alterations			

Item No	Quantity	Rate	Amount
<u>BILL NO. 2</u>			
<u>ROOF COVERINGS</u>			
<u>PREAMBLES</u>			
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
<u>SHEETING</u>			
Safintra or other similar approved 0,53mm thick SAFLOK 700 Colorplus® AZ150 interlocking roof sheeting fixed to timber internal purlins at 2000mm, and ridge/eaves purlins at 1700mm centres using SAFLOK 700 clips which must be screw fixed to timber purlins with Fixtite® or Safintra approved wafer head self-tapping screws. The sheeting will be a double interlocking concealed fix SAFLOK 700 profile as manufactured by Safintra Roofing, roll formed in continuous lengths from certified G550 steel or aluminium 3004 H14. The profile shall be roll formed with 4 ribs and centres not exceeding 233mm and a cover width not exceeding 700mm. The male rib is to include spurs to ensure a double interlocking action with adjacent sheets. The minimum sheet depth will be 41mm. Two stiffening ribs are incorporated in each pan			
<u>MATERIAL AND FINISH FOR SAFLOK ROOF SHEETING OR OTHER EQUALLY APPROVED</u>			
ZincAL® AZ150 or other equally approved coated steel G550 with a ColorPLUS® colour coated finish to one side, colour (sample of colour to be approved on site) with a Cool Grey backing coat			
Carried Forward		R	
Section No. 4 Ablutions Bill No. 2 Roof Coverings, claddings, etc			

Brought Forward

R

FIXING SAFLOK OR OTHER EQUALLY APPROVED

The Saflok or other equally approved sheets shall be fixed to every purlin by means of patented SAFLOK 700 clips having spurs which will securely hold the sheets in position and lock in the sidelap and both centre ribs. The SAFLOK 700 clips shall be manufactured from Galvanized steel and shall be fixed with the appropriate self-drilling/tapping

SAFLOK FLASHINGS OR OTHER EQUALLY APPROVED

Flashings specifications shall be to the Safintra or other equally approved standards and fixed to the sheeting with S10 brackets or, Sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from Global Roofing Solutions

PROFILED METAL SHEETING AND ACCESSORIES

0.53mm "Saflok 700 Colourplus" or other equally approved aluminium zinc (AZ 150) ribbed double interlocking roof sheeting in single lengths and accessories with "Colourplus " colour coated finish on one side, fixed to timber purlins in strict accordance with the manufacturer's recommendation

1	Roof covering with pitch not exceeding 25 degrees	m2	50
2	Ridge capping (550mm girth) screwed through sheeting to purlins	m	4

Sundries

3	Sondor IBR pattern polyclosures to underside of ridge capping	m	8
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Carried Forward

R

Section No. 4
Ablutions
Bill No. 2
Roof Coverings, claddings, etc

9

Item No		Quantity	Rate	Amount
<u>BILL NO.3</u>				
<u>CARPENTRY AND JOINERY</u>				
<u>PREAMBLES</u>				
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications				
<u>EAVES, VERGES, ETC</u>				
<u>Everite or other equally approved fibre-cement fascias and barge boards</u>				
1	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	20	
2	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	12	
<u>DOORS ETC</u>				
<u>Wrought meranti framed, ledged and braced batten doors hung to steel or timber frames</u>				
3	44mm Single door 813 x 2032 mm high approved frame and ledge open back engineered door for use in semi exterior conditions	No	6	
<u>FRAMED FRAMES, MULLION, TRANSOMS ETC</u>				
4	75 x 100mm rebated hardwood frame to fit doors. Frame to be built into wall with galvanized hoop iron nailed to frame and turned into brickwork	m	32	
Carried Forward to Summary of Section No. 4				R
Section No. 4 Ablutions Bill No. 3 Carpentry and Joinery				

Item No			Quantity	Rate	Amount
	<u>BILL No. 4</u>				
	<u>IRONMONGERY</u>				
	<u>PREAMBLES</u>				
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications				
	<u>LOCKSETS, ETC</u>				
	<u>Manufactured by "Assa Abloy" or other equally approved</u>				
1	22314-76/5SS 314 W/C 5mm lock - stainless steel	No	6		
2	QR35X85MMSW-SS Roller latch and swing dead bolt mortice lock - 35mm backset	No	6		
3	SS5305-05H Escutcheon on rose profile	No	6		
	<u>HANDLES</u>				
	<u>Manufactured by "Assa Abloy" or other equally approved</u>				
4	PHD-BB-300-22SS Pull handle - 300mm ctc	Pairs	6,0		
	<u>LETTERS, NAMEPLATES, ETC</u>				
	<u>Signs are to comply with SANS 1186-1 to 5 and to be to the approval of the local authority. Signs are to have anodised aluminium frames</u>				
5	Aluminium push plate 160mm x 160mm x 3mm female	No	1		
6	Aluminium push plate 160mm x 160mm x 3mm male	No	1		
	<u>SUNDRIES</u>				
7	Coat hook	No	6		
	Carried Forward to Summary of Section No. 4				R
	Section No. 4				
	Ablutions				
	Bill No. 4				
	Ironmongery				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>TILING</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>FLOOR TILING</u>			
	<u>600 x 600mm Union Tiles or other equally approved full bodied porcelain floor tiles with 3mm grouting fixed with Tal Goldstar 6 and Tal Bond tile adhesive to screeded / wood floated / power floated floors (screeds, wood floated or power floated elsewhere measured) and flush pointed with "Tal Floor" antibacterial grout in accordance manufacturer's instruction.Expansion joints to structural Eng. specifications and details.Contractor to provide samples for approval</u>			
1	On floors	m2	22	
	<u>SKIRTINGS, NOSINGS, ETC.</u>			
2	Skirting 100mm high	m	43	
	Carried Forward to Summary of Section No. 4			
	Section No. 4			
	Ablutions			
	Bill No. 5			
	Tiling			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>RAINWATER DISPOSAL</u>			
	<u>Marley Streamline Double -Flo or equally approved 100 x 125mm Rectangular profiled PVC gutter system to manufacturer approved clips fixed to and spaced along fascia boards at manufacturer's recommended measurements</u>			
1	100 x 125mm Eaves gutters	m	10	
2	Extra over 100 x 125mm eaves gutter for stopped end	No	4	
3	Extra over 100 x 125mm eaves gutter for 100mm outlet	No	2	
	<u>Marley or other equally approved uPVC downpipes</u>			
4	100 x 125mm Rectangular rainwater pipe	m	6	
5	Extra over 100 x 125mm rainwater pipe for bend	No	4	
6	Extra over 100 x 125mm rainwater pipe for shoe	No	2	
	<u>TAPS, VALVES, ETC.</u>			
7	Tap Basin mixer standard cobra zambezi chrome or other equally approved	No	6	
	Carried Forward			
	Section No. 4			
	Ablutions			
	Bill No. 6			
	Plumbing and Drainage			
			R	

Brought Forward			R
<u>SANITARY FITTINGS</u>			
<u>WC suites fixed complete in position and connected to services</u>			
8	"Geberit" or other approved Abalona floor standing WC (Code:500.282.01.1)for close coupled exposed cistern, horizontal outlet (White), with "Geberit" or other approved Abalona exposed cistern (code:500.282.01.1),dual flush, water supply connection(white) and "Geberit" or other equally approved Abalona WC seat white (Code:50.331.01.1)with metal hinges bottom fix and finished all round silicon sealant	No	6
9	COBRA- "welcome" medium round wall hung basin with pre punched centre taphole. CODE: CWLBAWH2-CDT01	No	6
10	Cobra Ref 232-10 angle valve including 200mm braided flexi connector	No	12
11	110mm uPVC pan connector	No	6
<u>Extra over class piping for capillary type fittings</u>			
12	15mm elbow	No	6
13	15mm tee	No	6
<u>Class 460/1copper pipes</u>			
14	15mm pipe	m	6
15	40mm slotted waste with backnut	No	6
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Ablutions			
Bill No. 6			
Plumbing and Drainage			

Item No	Quantity	Rate	Amount
<u>BILL NO. 7</u>			
<u>PAINTWORK</u>			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>PREAMBLES</u>			
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
<u>Previously painted plastered surfaces</u>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<u>ON FIBRE-CEMENT</u>			
<u>Two coats extremely durable uv-resistant washable pure acrylic paint</u>			
1	On fascias and barge boards	m2	33
Carried Forward			R
Section No. 4 Ablutions Bill No. 7 Paintwork			

Brought Forward			R
<u>ON WOOD</u>			
<u>One coat wood primer, one coat Universal Undercoat and two finishing coats of Plascon Velvagro or similar approved, sanding lightly between coats</u>			
2	On doors	m2	25
3	On door frames	m2	14
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Ablutions			
Bill No. 7			
Paintwork			

SECTION SUMMARY - Ablutions		Page No	Amount	
Bill No				
1	Alterations	65		
2	Roof Coverings, claddings, etc	68		
3	Carpentry and Joinery	69		
4	Ironmongery	70		
5	Tiling	71		
6	Plumbing and Drainage	73		
7	Paintwork	75		
Carried to Final Summary			R	
Section No. 4 Ablutions				

Item No		Quantity	Rate	Amount
	<u>SECTION No 5</u>			
	<u>BILL NO.1</u>			
	<u>ALTERATIONS</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Taking out and removing doors, windows, etc from brickwork to be demolished</u>			
1	Timber single door and frame not exceeding 2,5m2	No 2		
2	Timber double door and frame exceeding 2.5m2 and not exceeding 5m2	No 1		
	<u>Taking out and removing piping, gutters, etc</u>			
3	uPVC rainwater pipes and holderbats	m 25		
4	Eaves gutters and brackets	m 24		
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
5	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2 41		
	Carried Forward to Summary of Section No. 5		R	
	Section No. 5			
	Holding Cell			
	Bill No. 1			
	Alterations			

Item No		Quantity	Rate	Amount
<u>BILL NO. 2</u>				
<u>CARPENTRY AND JOINERY</u>				
<u>PREAMBLES</u>				
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications				
<u>EAVES, VERGES, ETC</u>				
<u>Everite or other equally approved fibre-cement fascias and barge boards</u>				
1	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	24	
2	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	18	
Carried Forward				R
Section No. 5 Holding Cell Bill No. 2 Carpentry and Joinery				

Brought Forward			R
<u>DOORS ETC</u>			
<u>Wrot meranti framed, ledged and braced batten doors hung to steel or timber frames</u>			
3	44 Single door 813 x 2032 mm high approved frame and ledge open back engineered door for use in semi exterior conditions	No	2
4	44 Double door 1613 x 2032 mm high approved framed and ledged braced (FLB) double doors for use is semi exterior conditions	No	1
<u>FRAMED FRAMES, MULLION, TRANSOMS ETC</u>			
5	75 x 100mm rebated hardwood frame to fit doors. Frame to be built into wall with galvanized hoop iron nailed to frame and turned into brickwork	m	17
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Holding Cell			
Bill No. 2			
Carpentry and Joinery			

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Item No		Quantity	Rate	Amount
	<u>BILL No. 4</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>LOCKSETS, ETC</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
1	QR35X85MMSW-SS Roller latch and swing dead bolt mortice lock - 35mm backset	No	3	
2	SS5305-05H Escutcheon on rose profile	No	3	
3	22314-76/5SS 314 W/C 5mm lock - stainless steel	No	3	
	<u>HANDLES</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
4	PHD-BB-300-22SS Pull handle - 300mm ctc	Pairs	4,0	
	<u>PUSH PLATES AND KICK PLATES</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
5	SS5089-200W09 kick plate 200x800mm works	No	2	
	<u>DOOR CLOSERS AND FLOOR SPRINGS</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
6	DCA154-EV1 Parallel arm bracket	No	4	
	Carried Forward			R
	Section No. 5 Holding Cell Bill No. 4 Ironmongery			

Brought Forward			R
7	DC200 R&P Closer EN2-4 SIL	No	2
<u>LETTERS, NAMEPLATES, ETC</u>			
<u>Statutory signage to be SABS approved and photo luminescent, external signage to be UV rated</u>			
<u>Red and white single sided signage screwed fixed on to walls as per manufacturer's details</u>			
8	190 x 190mm Arrow sign	No	2
9	190 x 190mm Fire extinguisher sign	No	2
10	300 x 200mm Fire exit keep clear sign	No	2
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Holding Cell			
Bill No. 4			
Ironmongery			

Item No	Quantity	Rate	Amount
<u>BILL No. 5</u>			
<u>METALWORK</u>			
<u>STANDARD PREAMBLES</u>			
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
<u>GALVANISED STEEL GATES, SCREENS, ETC</u>			
<u>Expanda or other approved factory coated security gate:</u>			
1	Powder coated galvanised mild steel security gate 900 x 2100mm high, with 25 x 25mm framing, 25 x 6mm mid rail and filled in with 10mm diameter vertical bars at 100mm centres and fitted with four lever deadbolt in lock case and one pair heavy duty hinges	No	2
2	Powder coated galvanised mild steel security gate 1800 x 2100mm high, with 25 x 25mm framing, 25 x 6mm mid rail and filled in with 10mm diameter vertical bars at 100mm centres and fitted with four lever deadbolt in lock case and one pair heavy duty hinges	No	1
<u>HOT-DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u>			
<u>1.6mm Double rebated frames suitable for one brick walls</u>			
3	Frame for door 813 x 2032mm high	No	1
<u>1.6 mm Double rebated frames suitable for half brick walls</u>			
4	Frame for door 813 x 2032mm high	No	1
Carried Forward to Summary of Section No. 5			R
Section No. 5 Holding Cell Bill No. 5 Metalwork			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>PLASTERING</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster wood floated on existing brickworks surfaces</u>			
1	On walls	m2	91	
2	On narrow widths	m2	6	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster wood floated on existing brickworks surfaces</u>			
3	On walls	m2	109	
4	On narrow widths not exceeding 300mm	m2	8	
	<u>GRANOLITHIC</u>			
	<u>Untinted granolithic on concrete</u>			
5	25mm Thick on floors	m2	66	
	Carried Forward to Summary of Section No. 5			R
	Section No. 5			
	Holding Cell			
	Bill No. 6			
	Plastering			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>RAINWATER DISPOSAL</u>			
	<u>Marley Streamline Double -Flo or equally approved 100 x 125mm Rectangular profiled PVC gutter system to manufacturer approved clips fixed to and spaced along fascia boards at manufacturer's recommended measurements</u>			
1	100 x 125mm Eaves gutters	m	24	
2	Extra over 100 x 125mm eaves gutter for stopped end	No	4	
3	Extra over 100 x 125mm eaves gutter for outlet pipe	No	8	
4	100 x 125mm rectangular Rainwater down pipes	m	25	
5	Extra over 100 x 125mm rainwater pipe for bend.	No	16	
6	Extra over 100 x 125mm rainwater pipe for shoe	No	8	
	<u>FIRE APPLIANCES ETC</u>			
7	4,5kg Dry chemical fire extinguisher including approved vandalproof cabinet and signage to comply with SABS code of practice 0400, all to the approval and satisfaction of local fire department	No	1	
	Carried Forward to Summary of Section No. 5			
	Section No. 5			
	Holding Cell			
	Bill No. 7			
	Plumbing and Drainage			
			R	

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>PREPARATORY WORK TO EXISTING WORK</u>			
	<u>Previously painted plastered surfaces</u>			
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
	<u>Previously painted metal surfaces</u>			
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
	<u>Previously painted wood surfaces</u>			
	Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
	Carried Forward		R	
	Section No. 5 Holding Cell Bill No. 9 Paintwork			

Brought Forward			R
<u>ON FLOATED PLASTER</u>			
<u>"Plascon" or other equally approved Primer (PP700) and two coats "Velvaglo" water based paint for interior use</u>			
1	On internal walls	m2	91
2	On narrow widths not exceeding 300mm	m2	6
<u>ON FIBRE-CEMENT</u>			
<u>Two coats extremely durable uv-resistant washable pure acrylic paint</u>			
3	On fascias and barge boards	m2	83
<u>ON FLOATED PLASTER</u>			
<u>One coat primer, one coat approved universal undercoat and two coats "Dulux" or other approved alkali resistant primer and two coats "Dulux trade 100 Lowsheen" emulsion paint for interior use, applied in strict accordance with manufacturer's instruction</u>			
4	Ceilings including priming metal cover strips and nailheads	m2	66
5	Cornices	m2	35
<u>ON WOOD</u>			
<u>One coat wood primer, one coat Universal Undercoat and two finishing coats of Plascon Velvaglo or similar approved, sanding lightly between coats</u>			
6	On doors	m2	16
7	On door frames	m2	5
Carried Forward			R
Section No. 5 Holding Cell Bill No. 9 Paintwork			

Brought Forward

R

ON EXTERNAL FLOATED PLASTER

One coat professional plaster primer, and two coats "Plascon" or other approved "Wall-and-All" interior quality paint

8	On external walls	m2	109
9	On narrow widths not exceeding 300mm	m2	8

Carried Forward to Summary of Section No. 5

R

Section No. 5
Holding Cell
Bill No. 9
Paintwork

SECTION SUMMARY - Holding Cell		Page No	Amount	
Bill No				
1	Alterations	77		
2	Carpentry and Joinery	79		
3	Ceilings, Partitions and access flooring	80		
4	Ironmongery	82		
5	Metalwork	83		
6	Plastering	84		
7	Plumbing and Drainage	85		
8	Mechanical Works	86		
9	Paintwork	89		
Carried to Final Summary			R	
Section No. 5 Holding Cell				

Item No		Quantity	Rate	Amount
	<u>SECTION No. 6</u>			
	<u>BILL NO. 1</u>			
	<u>EASTSIDE BUILDING</u>			
	<u>ALTERATIONS</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Breaking down and removing brickwork etc</u>			
1	Half brick walls	m2	7	
	<u>Taking out and removing doors, windows, etc from brickwork to be demolished</u>			
2	Timber single door and frame not exceeding 2,5m2	No	3	
3	Glazed steel window not exceeding 2,5m2	No	6	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
4	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	55	
5	Corrugated metal roof covering	m2	93	
6	Carefully take down and removed damaged roof trusses	No	16	
7	50mm x 76mm Timber purlins	m	85	
	<u>Taking out and removing piping, gutters, etc</u>			
8	Rainwater downpipes	m	11	
9	Eaves gutters and brackets	m	24	
	Carried Forward			R
	Section No. 6 Eastside Building Bill No. 1 Alterations			

Brought Forward			R
<u>Taking out and removing sundry joinery work, fittings, etc</u>			
10	Take out and remove existing fascia and barge boards	m	43
<u>Hacking up/off and removing ceramic tiles</u>			
11	Tiles from floors, including 30mm screedings	m2	55
Carried Forward to Summary of Section No. 6			R
Section No. 6			
Eastside Building			
Bill No. 1			
Alterations			

Item No		Quantity	Rate	Amount
	<u>BILL NO.2</u>			
	<u>MASONRY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>BRICKWORK</u>			
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of "Corobrik NFP" or similar approved bricks inclass II mortar</u>			
1	One brick walls	m2	8	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement</u>			
2	75mm Wide reinforcement built in horizontally	m	34	
	<u>Galvanised hoop iron cramps, ties, etc</u>			
3	30 x 1,6mm Cramp 500mm long with one end fixed to wood and other end built into brickwork	No	32	
	Carried Forward to Summary of Section No. 6			R
	Section No. 6			
	Eastside Building			
	Bill No. 2			
	Masonry			

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Brought Forward

R

FIXING SAFLOK OR OTHER EQUALLY APPROVED

The Saflok or other equally approved sheets shall be fixed to every purlin by means of patented SAFLOK 700 clips having spurs which will securely hold the sheets in position and lock in the sidelap and both centre ribs. The SAFLOK 700 clips shall be manufactured from Galvanized steel and shall be fixed with the appropriate self-drilling/tapping

SAFLOK FLASHINGS OR OTHER EQUALLY APPROVED

Flashings specifications shall be to the Safintra or other equally approved standards and fixed to the sheeting with S10 brackets or, Sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from Global Roofing Solutions

PROFILED METAL SHEETING AND ACCESSORIES

0.53mm "Saflok 700 Colourplus" or other equally approved aluminium zinc (AZ 150) ribbed double interlocking roof sheeting in single lengths and accessories with "Colourplus " colour coated finish on one side, fixed to timber purlins in strict accordance with the manufacturer's recommendation

1	Roof covering with pitch not exceeding 25 degrees	m2	93
2	Ridge capping (550mm girth) screwed through sheeting to purlins	m	14
3	Sondor IBR pattern polyclosures to underside of ridge capping	m	28

Sundries

Carried Forward

R

Section No. 6
Eastside Building
Bill No. 3
Roof Coverings, claddings, etc

Brought Forward			R
4	"Sondor" IBR pattern eaves polycloser	m	28
5	"Sondor" IBR pattern metal closure	m	28
<u>ROOF AND WALL INSULATION</u>			
<u>"Sisalation FR430" or equal and approved Heavy Industrial Grade Aluminum Foil based insulation</u>			
6	Insulation laid taut over purlins (at approximately 450mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	62
Carried Forward to Summary of Section No. 6			R
Section No. 6			
Eastside Building			
Bill No. 3			
Roof Coverings, claddings, etc			

Item No		Quantity	Rate	Amount
	<u>BILL No. 4</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
	<u>The following in plate nailed timber roof trusses with pitch not exceeding 27.5 degrees, from an approved supplier, delivered to site, hoisted in position, fixed and braced on timber wall plates</u>			
1	Double pitch timber roof truss, with 600mm over-hang both sides and tie beam spanning 8.00 - 9.00m	No	16	
	<u>Sawn softwood</u>			
2	38mm x 114mm wall plates including bedding level in cement mortar	m	28	
	<u>Wrought softwood</u>			
3	50 x 76mm Purlins	m	85	
	<u>EAVES, VERGES, ETC</u>			
	<u>Everite or other equally approved fibre-cement fascias and barge boards</u>			
4	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	12	
5	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	12	
	Carried Forward		R	
	Section No. 6 Eastside Building Bill No. 4 Carpentry and Joinery			

Brought Forward

R

DOORS ETC

Wrought meranti framed, ledged and braced batten doors hung to steel or timber frames

- 6 44mm Single door 762 x 2032mm high approved Frame & Ledge Open Back Engineered door for use in semi exterior conditions

No

3

FRAMED FRAMES, MULLION, TRANSOMS ETC

- 7 75 x 100mm rebated hardwood frame to fit doors. Frame to be built into wall with galvanized hoop iron nailed to frame and turned into brickwork

m

16

Carried Forward to Summary of Section No. 6

R

Section No. 6
Eastside Building
Bill No. 4
Carpentry and Joinery

Item No		Quantity	Rate	Amount
	<u>BILL No. 5</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>NAILED UP CEILINGS</u>			
	<u>6.4mm SABS approved gypsum plasterboard ceilings to steel brancing spaced at 400 C/C joined with joiner sections and hung with suspension bracket including standard steel perimeter angles fixed to walls with new 75mm plasterboard covered cornices all around. Prepare surfaces to receive paint</u>			
1	Ceilings including 38 x 38mm sawn softwood brancing at 400mm centres in one direction	m2	55	
2	Extra over ceiling for 600 x 600mm trap door	No	1	
	<u>Polyurethane moulded cornices</u>			
3	75mm Coved cornices mitred at corners	m	53	
	Carried Forward to Summary of Section No. 6			
	Section No. 6			
	Eastside Building			
	Bill No. 5			
	Ceilings, Partitions and access flooring			

R

Item No		Quantity	Rate	Amount
	<u>BILL No. 6</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>LOCKSETS, ETC</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
1	22314-76/5SS 314 W/C 5mm lock - stainless steel	No	3	
2	QR35X85MMSW-SS Roller latch and swing dead bolt mortice lock - 35mm backset	No	3	
3	SS5305-05H Escutcheon on rose profile	No	3	
	<u>HANDLES</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
4	PHD-BB-300-22SS Pull handle - 300mm etc	Pairs	3,0	
	<u>DOOR CLOSERS AND FLOOR SPRINGS</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
5	DCA154-EV1 Parallel arm bracket	No	3	
6	DC200 R&P Closer EN2-4 SIL	No	3	
	Carried Forward		R	
	Section No. 6 Eastside Building Bill No. 6 Ironmongery			

Brought Forward

R

LETTERS, NAMEPLATES, ETC

**Statutory signage to be SABS approved and photo
luminescent, external signage to be UV rated**

**Red and white single sided signage screwed fixed
on to walls as per manufacturer's details**

7	190 x 190mm Arrow sign	No	3
8	190 x 190mm Fire extinguisher sign	No	1
9	300 x 200mm Fire exit keep clear sign	No	3

Carried Forward to Summary of Section No. 6

R

Section No. 6
Eastside Building
Bill No. 6
Ironmongery

Item No	Quantity	Rate	Amount
<u>BILL No. 7</u>			
<u>METALWORK</u>			
<u>STANDARD PREAMBLES</u>			
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
<u>ALUMINIUM WINDOWS, DOORS ETC</u>			
<u>6,38mm Laminated safety glass aluminium windows suitable for coastal conditions complying with AAMSA performance criteria A2, able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 1500Pa, with surfaces to receive 60-80 um powder coating supplied by manufacturer complying with SANS 1578 and applied in accordance with SANS 1796 by an approved applicator, glazing shall be executed strictly in conformance with glass manufacturer's recommendations and SANS 10137:2011 all in accordance with SANS 10400 Parts B, N, XA plugged and screwed to brickwork according to manufacturer's specifications</u>			
1	Window size 979 x 1217mm	No 6	
<u>ALUMINIUM BURGLAR BARS</u>			
<u>50 x 50mm Hot dipped galvanised vertical bars with rounded ends and polished edges and fixed to wall with 10mm diameter counter sunk expansion bolts through 19mm diameter steel pipe spacers with bolt heads securely epoxy fixed to frame. 19mm Diameter hot dipped galvanised steel pipes equally spaced and welded to vertical bars</u>			
2	Burglar bar size 977 x 1217mm high	No 6	
Carried Forward			R
Section No. 6 Eastside Building Bill No. 7 Metalwork			

Brought Forward			R
<u>HOT-DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u>			
<u>1,6mm Double rebated frames suitable for one brick walls</u>			
3	Frame for door 813 x 2032mm high	No	3
Carried Forward to Summary of Section No. 6			R
Section No. 6			
Eastside Building			
Bill No. 7			
Metalwork			

Item No		Quantity	Rate	Amount
	<u>BILL No. 8</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>SCREED</u>			
	<u>1:4 Cement plaster screeds wood floated on concrete</u>			
1	25mm Thick on floors and landings	m2	104	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster wood floated on existing brickworks surfaces</u>			
2	On walls	m2	7	
3	On narrow widths	m2	139	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster wood floated on existing brickworks surfaces</u>			
4	On walls	m2	139	
5	On narrow widths not exceeding 300mm	m2	8	
	Carried Forward to Summary of Section No. 6			
	Section No. 6			
	Eastside Building			
	Bill No. 8			
	Plastering			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>TILING</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>FLOOR TILING</u>			
	<u>600 x 600mm Union Tiles or other equally approved full bodied porcelain floor tiles with 3mm grouting fixed with Tal Goldstar 6 and Tal Bond tile adhesive to screeded / wood floated / power floated floors (screeds, wood floated or power floated elsewhere measured) and flush pointed with "Tal Floor" antibacterial grout in accordance manufacturer's instruction.Expansion joints to structural Eng. specifications and details.Contractor to provide samples for approval</u>			
1	On floors	m2	55	
	<u>SKIRTINGS, NOSINGS, ETC.</u>			
2	Skirting 100mm high	m	53	
	Carried Forward to Summary of Section No. 6			
	Section No. 6			
	Eastside Building			
	Bill No. 9			
	Tiling			
			R	

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>RAINWATER DISPOSAL</u>			
	<u>Marley Streamline Double Flo or equally approved 100 x 125mm rectangular profiled PVC gutter system to manufacturer approved clips fixed to and spaced along fascia boards at manufacturer's recommended measurements</u>			
1	100 x 125mm Eaves gutters	m	29	
2	Extra over 100 x 125mm eaves gutter for stopped end	No	4	
3	Extra over 100 x 125mm eaves gutter for outlet pipe	No	4	
4	100 x 125mm rectangular Rainwater down pipes	m	11	
5	Extra over 100 x 125mm rectangular rainwater pipe for bend.	No	8	
6	Extra over 100 x 125mm rectangular rainwater pipe for shoe	No	4	
	<u>FIRE APPLIANCES ETC</u>			
7	4,5kg Dry chemical fire extinguisher including approved vandalproof cabinet and signage to comply with SABS code of practice 0400, all to the approval and satisfaction of local fire department	No	1	
	Carried Forward to Summary of Section No. 6			R
	Section No. 6			
	Eastside Building			
	Bill No. 10			
	Plumbing and Drainage			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 12</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
<u>PREPARATORY WORK TO EXISTING WORK</u>			
<u>Previously painted plastered surfaces</u>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
Carried Forward			R
Section No. 6 Eastside Building Bill No. 12 Paintwork			

Brought Forward			R
<u>ON FLOATED PLASTER</u>			
<u>"Plascon" or other equally approved Primer (PP700) and two coats "Velvagro" water based paint for interior use</u>			
1	On internal walls	m2	139
2	On narrow widths not exceeding 300mm	m2	10
<u>ON FIBRE-CEMENT</u>			
<u>Two coats extremely durable uv-resistant washable pure acrylic paint</u>			
3	On fascias and barge boards	m2	84
<u>ON FLOATED PLASTER</u>			
<u>One coat primer, one coat approved universal undercoat and two coats "Dulux" or other approved alkali resistant primer and two coats "Dulux trade 100 Lowsheen" emulsion paint for interior use, applied in strict accordance with manufacturer's instruction</u>			
4	Ceilings including priming metal cover strips and nailheads	m2	55
5	Cornices	m2	53
<u>ON WOOD</u>			
<u>One coat wood primer, one coat Universal Undercoat and two finishing coats of Plascon Velvagro or similar approved, sanding lightly between coats</u>			
6	On doors	m2	12
7	On door frames	m2	4
Carried Forward			R
Section No. 6 Eastside Building Bill No. 12 Paintwork			

Brought Forward			R
<u>ON EXTERNAL FLOATED PLASTER</u>			
<u>One coat professional plaster primer, and two coats "Plascon" or other approved "Wall-and-All" interior quality paint</u>			
8	On internal walls	m2	104
9	On narrow widths not exceeding 300mm	m2	7
Carried Forward to Summary of Section No. 6			R
Section No. 6			
Eastside Building			
Bill No. 12			
Paintwork			

SECTION SUMMARY - Eastside Building		Page No	Amount
Bill No			
1	Alterations	92	
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3	Roof Coverings, claddings, etc	96	
4	Carpentry and Joinery	98	
5	Ceilings, Partitions and access flooring	99	
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12	Paintwork	110	
Carried to Final Summary			R
Section No. 6 Eastside Building			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
	<u>EAVES, VERGES, ETC</u>			
	<u>Everite or other equally approved fibre-cement fascias and barge boards</u>			
1	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	12	
2	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	12	
	<u>DOORS ETC</u>			
	<u>Wrought meranti framed, ledged and braced batten doors hung to steel or timber frames</u>			
3	44mm Single door 813 x 2032mm high approved Frame & Ledge Open Back Engineered door for use in semi exterior conditions	No	1	
	<u>FRAMED FRAMES, MULLION, TRANSOMS ETC</u>			
4	75 x 100mm rebated hardwood frame to fit doors. Frame to be built into wall with galvanized hoop iron nailed to frame and turned into brickwork	m	5	
	Carried Forward to Summary of Section No. 7			
	Section No. 7			
	Guard House			
	Bill No. 2			
	Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>BILL No. 3</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>LOCKSETS, ETC</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
1	22314-76/5SS 314 W/C 5mm lock - stainless steel	No	1	
2	QR35X85MMSW-SS Roller latch and swing dead bolt mortice lock - 35mm backset	No	1	
3	SS5305-05H Escutcheon on rose profile	No	1	
	<u>DOOR CLOSERS AND FLOOR SPRINGS</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
4	DCA154-EV1 Parallel arm bracket	No	1	
	<u>HANDLES</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
5	PHD-BB-300-22SS Pull handle - 300mm ctc	Pairs	1,0	
	<u>LETTERS, NAMEPLATES, ETC</u>			
	<u>Statutory signage to be SABS approved and photo luminescent, external signage to be UV rated</u>			
	Carried Forward			
	Section No. 7 Guard House Bill No. 3 Ironmongery		R	

Brought Forward				R
<u>Red and white single sided signage screwed fixed on to walls as per manufacturer's details</u>				
6	190 x 190mm Arrow sign	No	1	
Carried Forward to Summary of Section No. 7				R
Section No. 7				
Guard House				
Bill No. 3				
Ironmongery				

Item No		Quantity	Rate	Amount
	<u>BILL No. 4</u>			
	<u>METALWORK</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>ALUMINIUM WINDOWS, DOORS ETC</u>			
	<u>6,38mm Laminated safety glass aluminium windows suitable for coastal conditions complying with AAMSA performance criteria A2, able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 1500Pa</u>			
1	Window size 600 x 1200mm	No	3	
	<u>HOT-DIPPED GALVANIZED STEEL BURGLAR BARS</u>			
	<u>50 x 50mm Hot dipped galvanised vertical bars with rounded ends and polished edges and fixed to wall with 10mm diameter counter sunk expansion bolts through 19mm diameter steel pipe spacers with bolt heads securely epoxy fixed to frame. 19mm Diameter hot dipped galvanised steel pipes equally spaced and welded to vertical bars</u>			
2	Burglar bar size 600 x 1200mm	No	3	
	<u>HOT-DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u>			
	<u>1,6mm Double rebated frames suitable for one brick walls</u>			
3	Frame for door 813 x 2032mm high	No	1	
	Carried Forward to Summary of Section No. 7			R
	Section No. 7			
	Guard House			
	Bill No. 4			
	Metalwork			

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Item No		Quantity	Rate	Amount
	BILL NO. 7			
	<u>PAINTWORK</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>PREPARATORY WORK TO EXISTING WORK</u>			
	<u>Previously painted plastered surfaces</u>			
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
	<u>Previously painted metal surfaces</u>			
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
	<u>Previously painted wood surfaces</u>			
	Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
	<u>ON FIBRE-CEMENT</u>			
	<u>Two coats extremely durable uv-resistant washable pure acrylic paint</u>			
1	On fascias and barge boards	m2	49	
Carried Forward				R
Section No. 7 Guard House Bill No. 7 Paintwork				

Brought Forward			R
<u>ON WOOD</u>			
<u>One coat wood primer, one coat Universal Undercoat and two finishing coats of Plascon Velvagro or similar approved, sanding lightly between coats</u>			
2	On doors	m2	4
3	On door frames	m2	1
<u>ON EXTERNAL FLOATED PLASTER</u>			
<u>Two coats Plascon Professional Superior Low Sheen (PEM1000) or Dulux Weatherguard Ultrasmooth adhesion promoted (D62) acrylic paint or similar approved.</u>			
4	On internal walls	m2	58
5	On narrow widths not exceeding 300m	m2	4
Carried Forward to Summary of Section No. 7			R
Section No. 7			
Guard House			
Bill No. 7			
Paintwork			

SECTION SUMMARY - Guard House

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Item No	Quantity	Rate	Amount
<u>SECTION NO. 8</u>			
<u>BILL NO. 1</u>			
<u>NEW BUILDING</u>			
<u>DEMOLITIONS</u>			
<u>STANDARD PREAMBLES</u>			
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
<u>View site</u>			
Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained			
<u>Explosives</u>			
No explosives whatsoever may be used for demolition purposes unless otherwise stated			
<u>General</u>			
Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent			
Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site			
Carried Forward			R
Section No. 8 New Building Bill No. 1 Demolitions			

Brought Forward			R
<u>Demolishing and removing</u>			
1	Single storey building with pitched roof, 5500 x 5100m on plan and 2800m high at eaves, comprising unreinforced concrete surface bed, 3 external walls, 1 internal walls and metal roof covering	No	1
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 1			
Demolitions			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>EARTHWORKS</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Trenches	m3	50	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
2	Intermediate material	m3	5	
3	Hard Rock	m3	6	
	<u>Risk of collapse of excavations</u>			
4	Sides of trench and hole excavations not exceeding 1,5m deep	m2	22	
	<u>Keeping excavations free of water</u>			
5	Keeping excavations free of all water other than subterranean water		Item	
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>			
6	Backfilling to trenches, holes, etc.	m3	37	
	<u>Earth filling supplied by the contractor, compacted to 95% Mod. AASHTO density</u>			
7	Under surfaces bed of G5 material in accordance with SABS 1200 DM and compacted to 95% Mod. AASHTO density	m3	54	
	Carried Forward		R	
	Section No. 8 New Building Bill No. 2 Earthworks			

Brought Forward			R
<u>Earth filling supplied by the contractor, compacted to 93% Mod. AASHTO density</u>			
8	Under strip footings, etc. of G7 material in accordance with SABS 1200 DM and compacted to 95% Mod. AASHTO density	m3	61
<u>Compaction of surfaces</u>			
9	Compaction of ground surface under floors, etc. including grading, levelling and scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod. AASHTO density	m2	172
<u>Prescribed density tests on filling</u>			
10	Modified AASHTO Density tests	No	6
<u>SOIL POISONING</u>			
<u>Brand of anti-termite soil poison applied by a registered Pest Control company and guaranteed against termite infestation for ten years</u>			
11	Under surfaces beds, etc. including forming and poisoning shallow furrows against foundation walls, etc. filling in furrows and ramming	m2	172
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 2			
Earthworks			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>10MPa/19mm concrete</u>			
1	Surface blinding under bases	m3	3	
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>25MPa/19mm concrete</u>			
2	80mm Concrete base course	m3	10	
3	Infill in brickworks	m3	7	
4	Surface beds (walkways)	m3	6	
5	Surface beds on waterproofing	m3	7	
	<u>TEST CUBES</u>			
6	Making and testing set of three 150 x 150 x 150mm concrete strength test cube (Provisional)	No	4	
	<u>CONCRETE SUNDRIES</u>			
	<u>Finishing top surfaces of concrete smooth with a wood float</u>			
7	Surface beds, slabs, etc.	m2	172	
	Carried Forward			
	Section No. 8 New Building Bill No. 3 Concrete, Formwork & Reinforcement			
			R	

Brought Forward			R
<u>FORMWORK</u>			
<u>Rough formwork to sides</u>			
8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	44
<u>MOVEMENT JOINTS ETC</u>			
<u>Expansion joints with 12mm bitumen impregnated soft board between vertical concrete surfaces, and brickworks including necessary formwork</u>			
9	12mm Joints not exceeding 300mm high	m	54
<u>REINFORCEMENT (PROVISIONAL) (CPAP WORK Group No. 114)</u>			
<u>High tensile steel reinforcement to structural concrete work</u>			
10	Bars of various diameters	t	2,00
<u>Fabric reinforcement</u>			
11	Type ref. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	172
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 3			
Concrete, Formwork & Reinforcement			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>MASONRY</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>BRICKWORK IN FOUNDATIONS</u>			
	<u>(PROVISIONAL)</u>			
	<u>Brickwork of NFX bricks in class II mortar</u>			
1	One brick walls	m2	12	
2	350mm Cavity walls formed of two half brick skins, wire ties, with and including 130mm concrete infill of 25mpa	m2	16	
	<u>BRICKWORK IN SUPERSTRUCTURE</u>			
	<u>Brickwork of "Corobrik NFP" or similar approved bricks in class II mortar:</u>			
3	Half brick walls	m2	33	
4	One brick walls	m2	33	
5	Half brick walls in beamfilling	m2	186	
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement</u>			
6	150mm Wide reinforcement built in horizontally	m	344	
7	75mm Brickforce or other approved wire mesh reinforcement, built into walls	m	1 046	
	<u>Galvanised hoop iron cramps, ties, etc.</u>			
8	30 x 1,6mm Cramp 500mm long with one end shot pinned and other end built into brickwork	No	52	
	Carried Forward			R
	Section No. 8 New Building Bill No. 5 Masonry			

Brought Forward			R
<u>15mm Thick natural grey fibre cement sills including galvanised lugs and fixing to brickwork</u>			
9	150mm wide external sill set sloping and slightly projecting	m	10
10	150mm wide internal sill set flat and slightly projecting	m	20
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 5			
Masonry			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron Brikgrip DPC embossed damp proof course as per approval</u>			
1	In walls	m2	14	
2	Under sills	m2	5	
	<u>One layer of 375 micron waterproof sheeting sealed at laps as per approval</u>			
3	Under surface beds	m2	42	
	<u>Two coats emulsion bitumen emulsion waterproof coating as per approval</u>			
4	On bagged brick walls	m2	65	
	<u>JOINT SEALANTS, ETC.</u>			
	<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc. as per approval</u>			
5	3 x 30mm Saw cut joints in top of concrete	m	10	
6	12 x 12mm In horizontal expansion joints including raking out expansion joint filler as necessary	m	24	
7	12 x 12mm In vertical expansion joints including raking out expansion joint filler as necessary	m	20	
	Carried Forward to Summary of Section No. 8			
	Section No. 8			
	New Building			
	Bill No. 6			
	Waterproofing			

R

Item No		Quantity	Rate	Amount
	<u>BILL NO.7</u>			
	<u>ROOF COVERINGS, ETC.</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>SHEETING</u>			
	Safintra or other similar approved 0,53mm thick SAFLOK 700 Colorplus® AZ150 interlocking roof sheeting fixed to timber internal purlins at 2000mm, and ridge/eaves purlins at 1700mm centres using SAFLOK 700 clips which must be screw fixed to timber purlins with Fixtite® or Safintra approved wafer head self-tapping screws. The sheeting will be a double interlocking concealed fix SAFLOK 700 profile as manufactured by Safintra Roofing, roll formed in continuous lengths from certified G550 steel or aluminium 3004 H14. The profile shall be roll formed with 4 ribs and centres not exceeding 233mm and a cover width not exceeding 700mm. The male rib is to include spurs to ensure a double interlocking action with adjacent sheets. The minimum sheet depth will be 41mm. Two stiffening ribs are incorporated in each pan			
	<u>MATERIAL AND FINISH FOR SAFLOK ROOF SHEETING OR OTHER EQUALLY APPROVED</u>			
	ZincAL® AZ150 coated steel G550 with a ColorPLUS® colour coated finish to one side, colour (sample of colour to be approved on site) with a Cool Grey backing coat			
	<u>FIXING SAFLOK OR OTHER EQUALLY APPROVED</u>			
	The Saflok sheets shall be fixed to every purlin by means of patented SAFLOK 700 clips having spurs which will securely hold the sheets in position and lock in the sidelap and both centre ribs. The SAFLOK 700 clips shall be manufactured from Galvanized steel and shall be fixed with the appropriate self-drilling/tapping			
	Carried Forward		R	
	Section No. 8 New Building Bill No. 7 Roof Coverings, claddings, etc			

Brought Forward

R

SAFLOK OR OTHER EQUALLY APPROVED FLASHINGS

Flashings specifications shall be to the Safintra or other equally approved standards and fixed to the sheeting with S10 brackets or, Sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from Global Roofing Solutions

SAFETY

The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity

INSTALLATION

Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces

HANDLING AND STORAGE

The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction

Carried Forward

R

Section No. 8
New Building
Bill No. 7
Roof Coverings, claddings, etc

Brought Forward

R

INSPECTION PRIOR TO INSTALLATION

Before commencing installation, the contractor shall verify that the following items have been checked and accepted: a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that direct contact with the sheeting is avoided. g. The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding

PROTRUSION THROUGH SHEETED SURFACES

Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations

GUARANTEE

The manufacturer shall comply with ISO 9001:2008 Quality Management System. SAFLOK 700 sheeting shall be laid in strict accordance with the manufacturer's specifications by a approved Safintra contractor. A written and approved five year guarantee of water tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions

Carried Forward

R

Section No. 8
New Building
Bill No. 7
Roof Coverings, claddings, etc

Brought Forward			R
<u>CLEANING OF ROOF, ETC.</u>			
All debris, swarf, etc arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, off-cuts of insulation, surplus fasteners, sealants, mandrels from pop rivets, off-cuts of sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc.			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>0.53mm "Saflok 700 Colourplus" aluminium zinc (AZ 150) ribbed double interlocking roof sheeting or other equally approved in single lengths and accessories with "Colourplus " colour coated finish on one side, fixed to timber purlins in strict accordance with the manufacturer's recommendation</u>			
1	Roof covering in single pitch not exceeding 15 degrees	m2	130
2	"Sondor" IBR pattern eaves polycloser	m	22
3	Ridge closers	m	22
4	"Sondor" IBR pattern metal closure	m	44
<u>1.2mm thick Modek 700 M-lock or other equally approved polycarbonate translucent sheeting with flutes to match saflok 700 roofing</u>			
5	Roof covering in single pitch not exceeding 15 degrees	m2	7
<u>Sundries</u>			
6	Side wall flashing 300mm girth	m	14
7	Aluminium flashing 350mm girth	m	8
8	150 x 200mm Purpose made seamless box gutter fixed to roof members to specialist detail	m	24
9	Extra over 150 x 200mm box gutter for stopped end	No	2
Carried Forward			R
Section No. 8 New Building Bill No. 7 Roof Coverings, claddings, etc			

Brought Forward			R
10	Extra over box gutter for outlet with nozzle for and joint to rainwater pipe	No	2
<u>ROOF AND WALL INSULATION (SABS 1381 PART 4)</u>			
<u>Sisalation FR 430 heavy industrial grade aluminium foil based insulation</u>			
11	Insulation laid taut over purlins at 1200mm centres and fixed concurrent with roof covering ,with stapled longitudinal flap joints including galvanised steel straining wires not exceeding 300mm centres and fixing at top and bottom edges to purlins with and including hoop iron straps	m2	110
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 7			
Roof Coverings, claddings, etc			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 8</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u>			
	References given in descriptions refer to the respective types of trusses detailed on the architect's/engineer's drawings numbered ? annexed to these bills of quantities (accompanying these bills of quantities?) for tender purposes			
	Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the architect/engineer and/or taken on site before design or fabrication commences			
	<u>Sawn softwood</u>			
1	38mm x 114mm wall plates including bedding level in cement mortar	m	46	
2	38mm x 152mm Treated timber beam	m	8	
3	50mm x 76mm Purlins	m	170	
	<u>The following in plate nailed timber roof trusses with pitch not exceeding 15 degrees, from an approved supplier, delivered to site, hoisted in position, fixed and braced on timber wall plates</u>			
4	Single pitch timber roof truss, with 600mm over-hang one side and tie beam spanning 4.80 - 6.00m	No	26	
	Carried Forward		R	
	Section No. 8 New Building Bill No. 8 Carpentry and Joinery			

Brought Forward			R
<u>EAVES, VERGES ETC</u>			
<u>Everite or other equally approved fibre-cement fascias and barge boards</u>			
5	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	48
6	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	12
<u>DOORS, ETC.</u>			
<u>Wrought hardwood doors hung to steel frames</u>			
7	44mm Framed, ledged, braced and battened door 813 x 2032mm high of 40 x 110mm top rail and stiles, 20 x 150mm middle ledge, 20 x 110mm braces, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with 20mm V-jointed one side boarding	No	6
8	44mm Single door 762 x 2032 mm high approved frame and ledge open back engineered door for use in semi exterior conditions	No	3
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 8			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>NAILED-UP CEILINGS</u>			
	<u>6.4mm SABS approved gypsum plasterboard ceilings to steel bracing spaced at 400 C/C joined with joist sections and hung with suspension bracket including standard steel perimeter angles fixed to walls with new 75mm plasterboard covered cornices all around. Prepare surfaces to receive paint</u>			
1	Ceilings including 38 x 38mm sawn softwood bracing at 400mm centres in one direction	m2	107	
2	Extra over for trap door size 600 x 600mm	No	1	
	<u>CORNICES, ETC.</u>			
	<u>Polyurethane moulded cornices</u>			
3	75mm high cornices	m	102	
	Carried Forward to Summary of Section No. 8			
	Section No. 8			
	New Building			
	Bill No. 9			
	Ceilings, Partitions and access flooring			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>IRONMONGERY</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>LOCKSETS, ETC.</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
1	22314-76/5SS 314 W/C 5mm lock - stainless steel	No	4	
2	QR35X85MMSW-SS Roller latch and swing dead bolt mortice lock - 35mm backset	No	6	
3	SS5305-05H Escutcheon on rose profile	No	6	
	<u>HANDLES</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
4	PHD-BB-300-22SS Pull handle - 300mm ctc	Pairs	6	
	<u>DOOR CLOSERS AND FLOOR SPRINGS</u>			
	<u>Manufactured by "Assa Abloy" or other equally approved</u>			
5	DCA154-EV1 Parallel arm bracket	No	6	
	<u>LETTERS, NAMEPLATES, ETC</u>			
	<u>Statutory signage to be SABS approved and photo luminescent, external signage to be UV rated</u>			
	<u>Red and white single sided signage screwed fixed on to walls as per manufacturer's details</u>			
6	190 x 190mm Arrow sign	No	5	
	Carried Forward		R	
	Section No. 8 New Building Bill No. 10 Ironmongery			

Brought Forward			R
7	190 x 190mm Fire extinguisher sign	No	1
8	300 x 200mm Fire exit keep clear sign	No	5
<u>SUNDRIES</u>			
9	Coat hook	No	6
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 10			
Ironmongery			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 11</u>			
	<u>METALWORK</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>STEEL COLUMN</u>			
1	80-100mm Dia hollow steel stancion column	m	3	
	<u>ALUMINIUM WINDOWS, DOORS ETC</u>			
	<u>6,38mm Laminated safety glass aluminium windows suitable for coastal conditions complying with AAMSA performance criteria A2, able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 1500Pa, with surfaces to receive 60-80 um powder coating supplied by manufacturer complying with SANS 1578 and applied in accordance with SANS 1796 by an approved applicator, glazing shall be executed strictly in conformance with glass manufacturer's recommendations and SANS 10137:2011 all in accordance with SANS 10400 Parts B, N, XA plugged and screwed to brickwork according to manufacturer's specifications</u>			
2	Window size 1000 x 1177mm	No	9	
3	Window size 500 x 600mm	No	7	
	<u>ALUMINIUM BURGLAR BARS</u>			
	<u>Aluminium burglar bars riveted to aluminium frame</u>			
4	Burglar bar size 1000 x 1177mm high	No	9	
	Carried Forward		R	
	Section No. 8 New Building Bill No. 11 Metalwork			

Brought Forward			R
<u>HOT-DIPPED GALVANIZED PRESSED STEEL DOOR FRAMES</u>			
<u>1,6mm Double rebated frames suitable for one brick walls</u>			
5	Frame for exterior door 813 x 2032mm high	No	6
<u>1,6 mm Double rebated frames suitable for half brick walls</u>			
6	Frame for interior door 813 x 2032mm high	No	3
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 11			
Metalwork			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>PLASTERING</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>SCREEDS</u>			
	<u>Screeds wood floated, on concrete</u>			
1	25mm Thick on floors and landings	m2	110	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster wood floated on existing brickworks surfaces</u>			
2	On walls	m2	235	
3	In narrow widths	m2	18	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster wood floated on existing brickworks surfaces</u>			
4	On walls	m2	155	
5	In narrow widths not exceeding 300mm	m2	12	
	Carried Forward to Summary of Section No. 8			
	Section No. 8			
	New Building			
	Bill No. 12			
	Plastering			
			R	

Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>TILING</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>FLOOR TILING</u>			
	<u>600 x 600mm Union Tiles or other equally approved full bodied porcelain floor tiles with 3mm grouting fixed with Tal Goldstar 6 and Tal Bond tile adhesive to screeded / wood floated / power floated floors (screeds, wood floated or power floated elsewhere measured) and flush pointed with "Tal Floor" antibacterial grout in accordance manufacturer's instruction.Expansion joints to structural Eng. specifications and details.Contractor to provide samples for approval</u>			
1	On floors	m2	107	
	<u>SKIRTINGS, NOSINGS, ETC.</u>			
2	Skirting 100mm high	m	102	
	Carried Forward to Summary of Section No. 8			
	Section No. 8			
	New Building			
	Bill No. 13			
	Tiling			
			R	

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>RAINWATER DISPOSAL</u>			
	<u>Marley Streamline Double -Flo or equally approved 100 x 125mm rectangular profiled PVC gutter system to manufacturer approved clips fixed to and spaced along fascia boards at manufacturer's recommended measurements</u>			
1	100 x 125mm Eaves gutters	m	24	
2	Extra over 100 x 125mm eaves gutter for stopped end	No	2	
3	Extra over 100 x 125mm eaves gutter for 100mm outlet	No	2	
	<u>Marley or other equally approved uPVC downpipes</u>			
4	100 x 125mm rectangular rainwater pipe	m	12	
5	Extra over 100 x 125mm rainwater pipe for bend	No	4	
6	Extra over 100 x 125mm rectangular rainwater pipe for shoe	No	4	
	<u>SANITARY FITTINGS</u>			
	<u>"Geberit " or other approved</u>			
7	White "Geberit" or other equally approved Selonova wash basin (Code 500.324.01.0) 45cm visible overflow, centred tap hole C P waste, two fixing screws and half pedestal and finished all round with silicone sealant.	No	5	
8	TR3 toilet roll holder with white epoxy coating, plugged	No	4	
	Carried Forward			
	Section No. 8 New Building Bill No. 14 Plumbing and Drainage		R	

Brought Forward			R
9	Soap dispenser (white)	No	2
10	W/C Suite comprising white vitreous china pan with P or S-trap, 11 litre "Shires Lynx" low level white Duranite cistern complete with valveless symphonic fitting, ball valve and matching flush pipe and heavy duty white double flap NIP seat and cover	No	2
11	Paraplegic pan with heavy duty white double flap seat and paraplegic low level cistern with special flush handle.	No	2
12	Wall mounted urinal with chrome plated domical grating (Code 8787), spreader (Code 8543) and hanger brackets (Code 8127), including silicon sealant around (flushing valve elsewhere)	No	2
<u>WASTE UNIONS ETC</u>			
13	32mm Basin waste union	No	6
<u>TAPS, VALVES, ETC</u>			
<u>"Cobra Watertech"</u>			
14	"Cobra" 503-21R elbow action raised nose pillar tap	No	2
15	"Cobra" ledimo pillar tap	No	5
16	15mm Stopcock	No	7
17	22mm Stopcock	No	2
18	32mm Fullway gate valve	No	2
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
19	32mm Pipes	m	80
20	110mm Pipes	m	40
21	110mm Pipes laid in and including trenches not exceeding 1m deep	m	50
Carried Forward			R
Section No. 8 New Building Bill No. 14 Plumbing and Drainage			

Brought Forward				R
<u>Extra over 32mm uPVC pipes for fittings</u>				
22	32mm Bend	No	10	
23	32mm Access bend	No	10	
24	32mm Tee	No	10	
<u>Extra over 110mm uPVC pipes for fittings</u>				
25	110mm Bend	No	5	
26	110mm Access bend	No	10	
27	110mm Junction	No	6	
28	110mm Reducing junction	No	5	
29	110mm Tee	No	5	
30	110mm Pan connector	No	4	
31	110mm Bent pan connector	No	4	
32	110mm Access bent pan connector	No	4	
33	110mm Access bent pan connector with anti-syphon horn	No	4	
34	110mm "GI Two-way" vent valve	No	4	
<u>WATER SUPPLIES</u>				
<u>"Polycop" polypropylene pipes with brass compression fittings</u>				
35	15mm Pipes	m	80	
36	22mm Pipes	m	60	
<u>Extra over 15mm diameter Polycop polyethelene pipe for:</u>				
37	15mm Fittings	No	6	
Carried Forward				R
Section No. 8 New Building Bill No. 14 Plumbing and Drainage				

Brought Forward			R
<u>Extra over 22mm diameter Polycop polyethelene pipe for:</u>			
38	22mm Fittings	No 6	
<u>Extra over 28mm diameter Polycop polyethelene pipe for:</u>			
<u>TESTING</u>			
39	Testing water pipe system	Item	
<u>FIRE APPLIANCES ETC</u>			
40	4.5kg Carbon dioxide fire extinguisher including approved bracket fixed to wall	No 1	
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 14			
Plumbing and Drainage			

Item No		Quantity	Rate	Amount
<u>BILL NO.15</u>				
<u>MECHANICAL WORKS</u>				
<u>PREAMBLES</u>				
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications				
<u>AIR CONDITIONING INSTALLATION</u>				
<u>Supply and install a New non-inverter split unit (single-phase), including refrigerant piping & pipe work accessories (5m), condensate drainage pipe work to nearest drain point, mountings, anti-vibrational dampers, standard hard-wired controller, electrical and communication wiring and all other materials required for a full installation</u>				
1	12000 BTU indoor and outdoor unit	No	4	
2	Extra over for full Bluchem treatment on condenser	No	4	
Carried Forward to Summary of Section No. 8				R
Section No. 8				
New Building				
Bill No. 15				
Mechanical Work				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 16</u>			
	<u>PAINTWORK</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>PREPARATORY WORK TO EXISTING WORK</u>			
	<u>Previously painted plastered surfaces</u>			
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
	<u>Previously painted metal surfaces</u>			
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
	<u>Previously painted wood surfaces</u>			
	Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
	<u>"Plascon" or other equally approved Primer (PP700) and two coats "Velvagro" water based paint for interior use</u>			
1	On walls	m2	235	
2	On narrow widths not exceeding 300mm	m2	18	
	Carried Forward		R	
	Section No. 8 New Building Bill No. 16 Paintwork			

Brought Forward			R
<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
<u>Two coats extremely durable uv-resistant washable pure acrylic paint</u>			
3	On fascias and barge boards	m2	59
<u>ON PLASTERBOARD SURFACES</u>			
<u>One coat primer, one coat approved universal undercoat and two coats "Dulux" or other approved alkali resistant primer and two coats "Dulux trade 100 Lowsheen" emulsion paint for interior use, applied in strict accordance with manufacturer's instruction</u>			
4	Ceilings including priming metal cover strips and nailheads	m2	110
5	Cornices	m	93
<u>ON WOOD SURFACES</u>			
<u>One coat wood primer, one coat Universal Undercoat and two finishing coats of Plascon Velvaglo or similar approved, sanding lightly between coats</u>			
6	One doors	m2	23
7	On door frames	m2	1
<u>ON EXTERNAL PLASTER SURFACES</u>			
<u>Two coats Plascon Professional Superior Low Sheen (PEM1000) or Dulux Weatherguard Ultrasmooth adhesion promoted (D62) acrylic paint</u>			
8	On walls	m2	155
9	On narrow widths not exceeding 300mm	m2	12
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 16			
Paintwork			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 17</u>			
	<u>EXTERNAL WORKS (ALL TRADES)</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>RETAINING STRUCTURES FORMED OF PLANTER BLOCKS</u>			
	<u>Open face excavation in earth</u>			
1	To embankment behind retaining blocks including trimming to slope	m3	12	
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Trenches not exceeding 2m deep	m3	17	
	<u>Risk of collapse of excavations</u>			
3	Risk of collapse of sides of trench and hole excavations not exceeding 1,5m deep	m2	45	
	<u>Earth filling supplied by the contractor, compacted to 92% Mod AASHTO density</u>			
4	Backfilling to trenches, holes, etc	m3	7	
5	Backfilling behind retaining walls	m3	17	
6	Compaction of ground surface including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	22	
	<u>Keeping excavations free of water</u>			
7	Keeping excavations free of all water other than subterranean water	Item		
	Carried Forward		R	
	Section No. 8 New Building Bill No. 17 External Work			

Brought Forward			R
<u>30MPa/19mm Reinforced concrete cast against excavated surfaces</u>			
8	In strip footings	m3	5
<u>Reinforcement</u>			
9	Various diameter bars in reinforcement	t	0,70
<u>'Infraset' precast concrete L300 or other equally approved interlocking planter blocks finished with grooves on exposed surfaces</u>			
10	Retaining walls with stepped face and curves as required to suit slopes, formed of 300 x 450 x 170mm high non-interlocking planter units laid with horizontal bed joints to 70 degree slope with geofabric reinforcing on designed foundations (elsewhere measured), backfilling and compacting with approved backfilling material obtained from the external sources and filling the units with garden soil lightly tamped as the work proceeds (vegetation elsewhere measured).	m2	64
Carried Forward to Summary of Section No. 8			R
Section No. 8			
New Building			
Bill No. 17			
External Work			

Bill No	SECTION SUMMARY - New Building		Page No	Amount	
1	Demolitions		123		
2	Earthworks		125		
3	Concrete, Formwork & Reinforcement		127		
4	Precast Concrete		128		
5	Masonry		130		
6	Waterproofing		131		
7	Roof Coverings, claddings, etc		136		
8	Carpentry and Joinery		138		
9	Ceilings, Partitions and access flooring		139		
10	Ironmongery		141		
11	Metalwork		143		
12	Plastering		144		
13	Tiling		145		
14	Plumbing and Drainage		149		
15	Mechanical Work		150		
16	Paintwork		152		
17	External Work		154		
Carried to Final Summary				R	
Section No. 8 New Building					

Item No	Quantity	Rate	Amount
<u>SECTION NO. 9</u>			
<u>BILL NO. 1</u>			
<u>ELECTRICAL INSTALLATION</u>			
<u>STANDARD PREAMBLES</u>			
NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
<u>GENERAL ITEMS</u>			
1	Guarantee and maintenance for the complete Electrical Installation including fittings, materials and workmanship for a period of TWELVE MONTHS after date of completion and handover	Item	
2	Allow for testing and commissioning the whole of the electrical installation as laid down in the specification and for re-testing as may be required after the making good of all defective work to the satisfaction of the Engineer	Item	
3	3 sets of as built drawings showing all conduit routes, draw boxes and positions of outlets etc	Item	
4	Provision for final testing and Certificate of Compliance to be issued on completion of the project in addition to the detailed testing specified	Item	
5	Allow the sum R 20 000.00 (Twenty Thousand Rand) for any addition Electrical works	Item	20 000,00
6	Profit on last if required	%	
<u>GENERAL NOTE</u>			
Supply, deliver, off-loading and install the following to comply with General Electrical Specification, Infrastructure Unit Support Systems (IUSS) Project, SANS 10142 (latest addition) and all equipment to be SABS approved and bear the SABS performance mark			
Carried Forward			R
Section No. 9 Electrical Installation Bill No. 1 Electrical Installation			

Brought Forward			R
All distribution boards sections must be labelled to indicate the name of the distribution boards and where the main feeder cables is coming from with engraved traffolite			
All Switch socket outlets, Switch Isolators and light switches must be labelled with engraved traffolite to indicate the distribution board circuit and circuit identification number			
<u>SITE RETICULATION</u>			
7	Excavate not exceeding 600 mm deep in soft material for cabling and cable pipe trench including bedding, backfilling, compaction and disposal of surplus material	m3	25
8	Excavate not exceeding 600 mm deep in intermediate rock material for cabling and cable pipe trench including bedding, backfilling, compaction and disposal of surplus material	m3	10
9	Excavate not exceeding 600 mm deep in hard rock material for cabling and cable pipe trench including bedding, backfilling, compaction and disposal of surplus material	m3	25
<u>ELECTRICAL / ELECTRONIC MANHOLES</u>			
10	Supply and install 600x600x600mm manhole to specification complete with heavy duty manhole cover	No	2
<u>L.V CABLING</u>			
<u>Supply the following 600/1000 Volt Cu PVC SWA PVC ECC cables</u>			
11	25 mm ² 4 core	m	14
12	16 mm ² 4 core	m	25
13	10 mm ² 4 core	m	43
14	16 mm ² 2 core	m	68
15	10 mm ² 2 core	m	47
16	6 mm ² 2 core	m	32
Carried Forward			R
Section No. 9 Electrical Installation Bill No. 1 Electrical Installation			

Brought Forward				R
<u>Extra on last to install in cable sleeve, ladder, tray, basket</u>				
17	25 mm ² 4 core	m	14	
18	16 mm ² 4 core	m	25	
19	10 mm ² 4 core	m	43	
20	16 mm ² 2 core	m	68	
21	10 mm ² 2 core	m	47	
22	6 mm ² 2 core	m	32	
<u>Termination inclusive of cable glands, lugs etc.</u>				
23	25 mm ² 4 core	No	2	
24	16 mm ² 4 core	No	2	
25	10 mm ² 4 core	No	2	
26	6 mm ² 4 core	No	2	
27	16 mm ² 2 core	No	2	
28	10 mm ² 2 core	No	2	
29	6 mm ² 2 core	No	2	
<u>DISTRIBUTION BOARDS</u>				
<u>Supply, delivery and install of the following distribution boards</u>				
30	Main Distribution Board (DB-A)	No	1	
31	Extra over Install Main Distribution Board (DB-A)	No	1	
32	Main Distribution Board (DB-B)	No	1	
33	Extra over Install Main Distribution Board (DB-B)	No	1	
34	Main Distribution Board (DB-C)	No	1	
Carried Forward				R
Section No. 9 Electrical Installation Bill No. 1 Electrical Installation				

Brought Forward			R
35	Extra over Install Main Distribution Board (DB-C)	No 1	
36	Main Distribution Board (DB-Ablutions)	No 1	
37	Extra over Install Main Distribution Board (DB-Ablutions)	No 1	
<u>LIGHTING AND SMALL POWER</u>			
<u>Supply and install the following</u>			
<u>LIGHTING</u>			
38	25 mm PVC conduit surface mounted	m 421	
39	25 mm PVC conduit cast-in to slab	m 15	
40	25 mm PVC conduit in brickwork	m 321	
<u>PVC insulated 1 000 V grade hard drawn copper wire drawn into trunking/conduit and coloured as per phase</u>			
41	2.5 mm ²	m 3 242	
42	2,5 mm ² PVC insulated surfix cable	m 5	
43	Extra on last to terminate inclusive of glands etc.	No 2	
44	Single lever 1 way 16 amp Crabtree classic or other equally approved and approved light switch in 100 x 50/50 galvanised box inclusive of cover	No 25	
45	65mm PVC round box for 25mm conduit	No 87	
46	20A Photocell inclusive of bulkhead enclosure	No 6	
<u>SMALL POWER</u>			
47	25 mm PVC conduit surface mounted	m 421	
48	25 mm PVC conduit cast-in to floor slab	m 6	
49	25 mm PVC conduit in partition wall	m 434	
Carried Forward			R
Section No. 9 Electrical Installation Bill No. 1 Electrical Installation			

Brought Forward			R
<u>PVC insulated 1 000 V grade hard drawn copper wire drawn into trunking/conduit and coloured as per phase</u>			
50	2.5 mm ²	m	3 254
51	4.0 mm ²	m	675
52	6.0 mm ²	m	85
<u>LIGHTING AND SMALL POWER</u>			
53	Supply and install single switch socket outlet, with euro outlet in 100x100/50 PVC conduit box Crabtree classic or other equally approved	m	43
54	Supply and install P8000 trunking complete with cover plate to soffit	m	67
55	Supply and install P8000 crossover	No	2
56	Supply and install P8000 elbow	No	2
57	Supply and install P8000 Tee-piece	No	2
58	Supply and install P8000 end caps	No	2
59	Supply and install P8000 4-way piece	No	2
60	Supply and install 20A single phase isolators for extraction	No	5
61	Supply and install 30A single phase isolators for airconditioning	No	6
62	Supply and install 20A single phase isolators for geyser power supply	No	2
<u>LUMINAIRES</u>			
<u>Supply the following luminaires, inclusive of lamps as per drawing No. 23042 3 600 0</u>			
63	Type A - LED Linear vapour proof fitting (IP65), with poly carbonate UV protected diffuser and stainless clips. (160 - 180 lumens per watt and CRI 80+). Complete with 5 year warranty	No	40
Carried Forward			R
Section No. 9 Electrical Installation Bill No. 1 Electrical Installation			

Brought Forward				R
64	Extra on last to install	No	40	
65	Type B - Surface mounted IP65 high pressure die cast aluminium bulkhead fitting with high impact polycarbonate diffuser and black trim. Complete with 5 year warranty	No	37	
66	Extra on last to install	No	37	
<u>EARTHING AND LIGHTNING PROTECTION</u>				
67	Undertake soil resistivity test, witnessed by the Engineer inclusive of submitting a typed test report/certificate		Item	
68	70 mm ² PVC insulated copper earth wire	m	96	
69	Extra on last to install	m	96	
70	Bonding of earth tails to sheet trusses/roof sheeting	No	32	
71	Supply and install 25 mm conduit	m	88	
72	Supply and install 10 mm aluminium ridge conductor	m	5	
73	Supply and install stainless steel lugs	No	26	
74	Supply and install stainless steel bolts and nuts	No	26	
75	Supply and install stop cork box	No	26	
76	Supply and install 1.8m earth spike	No	26	
<u>EARTHING AND BONDING</u>				
77	Allowance for general electrical earthing and bonding in accordance with SABS 0142		Item	
78	Test and commissioning inclusive of test report Allowance for general electrical earthing and bonding in accordance with SABS 0142		Item	
Carried to Final Summary				R
Section No. 9 Electrical Installation Bill No. 1 Electrical Installation				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 10</u>			
	<u>BILL NO.1</u>			
	<u>GENERAL SITE WORKS, ETC</u>			
	<u>STANDARD PREAMBLES</u>			
	NOTE : Tenderers are advised to study the "The Model Preambles for All Trades" as recommended and published by the Association of South African Quantity Surveyors for all descriptions and specifications			
	<u>BRICKWORK CRACK STITCHING</u>			
	<u>Rake out existing mortar and place 1m R8 dowel crack stitching ties in horizontal bed join at every 2nd course across crack, grout with approved non shrink grout as per details</u>			
1	Stitching existing 230 brickwalls	m	2	
	<u>UNDERPINNING</u>			
	<u>EXCAVATION, FILLING, ETC.</u>			
	<u>Excavate in soft material, including wheeling not exceeding 50m and dumping for re-use or removal later (re-use or removal elsewhere measured)</u>			
2	Excavate to reduce levels under foundation not exceeding 2m deep	m3	1	
	<u>Earth filling supplied by the contractor, compacted to 95% Mod. AASHTO density</u>			
3	Under surfaces bed of G5 material in accordance with SABS 1200 DM and compacted to 95% Mod. AASHTO density	m3	5	
	<u>Keep excavation free of water</u>			
4	Keeping excavation free of all water other than subterranean water	Item		
	Carried Forward		R	
	Section No. 10			
	Site work			
	Bill No. 1			
	Site work			

Brought Forward			R	
<u>CONCRETE FORMWORK AND REINFORCEMENT</u>				
<u>25 Mpa / 19mm Concrete</u>				
5	Concrete in underpinning	m3	1	
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
<u>Rough formwork to sides</u>				
6	Edges exceeding 300mm high	m2	5	
<u>REINFORCEMENT</u>				
<u>High tensile steel reinforcement to structural concrete work</u>				
7	Bars of various diameters, for underpinning and stitching dowels	t	0,50	
<u>GABIONS AND RENO MATTRESS</u>				
<u>Surface Preparation for Bedding of Gabions</u>				
8	Excavation, backfill and compaction of ground surface and cavities filled with approved excavated material	m2	8	
Gabion basket shall be constructed in accordance with SANS 1200DK:1995 Double twist hexagonal wire mesh to SANS 1580:2005.				
Gabion mattresses of mesh size 80mm with 2.7mm class A PVC-coated galvanized wire 0.5mm thickness. Infill stone diameter of 100mm to 250mm				
9	Gabion box (4x1x1m) including wire mesh and infill complete	m3	8	
10	Extra over gabions for packing selected stone for exposed face.	m2	8	
Carried Forward			R	
Section No. 10 Site work Bill No. 1 Site work				

Brought Forward			R
<u>Reno mattresses are to be manufactured to SANS 1580 from hexagonal woven steel wire mesh type 60. Zinc coating galvanised to SANS 675. PVC-coated to SANS 1580</u>			
11	Reno mattress (3x1x0.3m) including wire mesh and infill complete	m3 4	
12	Reno mattress (2x1x0.3mm) including wire mesh and infill complete	m3 2	
<u>Geotextile or membrane.</u>			
13	Bidum A4 or approved equivalent	m2 16	
<u>STORMWATER CHANNEL</u>			
<u>Site clearance</u>			
14	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2 35	
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
15	Trenches	m3 12	
<u>Extra over trench and hole excavations in earth for excavation in</u>			
16	<u>Intermediate material</u>	m3 3	
17	Hard material	m3 2	
<u>Extra over all excavations for carting away</u>			
18	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3 12	
<u>Keeping excavations free of water</u>			
19	Keeping excavations free of all water other than subterranean water	Item	
Carried Forward			R
Section No. 10 Site work Bill No. 1 Site work			

Brought Forward			R
<u>Compaction of surfaces</u>			
20	Insitu ground ripped and re compacted of ground surface etc. including grading, levelling and scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod. AASHTO density	m2 35	
<u>Earth filling supplied by the contractor, compacted to 95% Mod. AASHTO density</u>			
21	100mm thick G5 material Under storm water channel in accordance with SABS 1200 DM and compacted to 95% Mod. AASHTO density	m3 4	
<u>25MPa/19mm concrete</u>			
22	Trapezoidal shaped storm water channel 1500mm wide x average 100mm thick reinforced with and including Type 395 fabric mesh reinforcement, with rounded salient edges and finished on exposed surfaces with 2:1 cement mortar, laid to falls in panels not exceeding 2000mm long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 12mm and filled with two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc and including formwork.	m 23	
23	Concrete 150x150x200mm reinforced with 2no. R8 bars for Velocity breakers cast into concrete whilst still green at outlet of channel	No 12	
24	Mass concrete to fall to existing drain and new outlet pipe	m3 0,2	
<u>Finishing top surfaces of concrete to a smooth non-slip Class U2 finish with a wood float</u>			
25	Apron slabs, etc to falls	m2 35	
<u>NEW KAYTECH INFILTRATOR SOAKAWAY SYSTEM</u>			
26	Install 10 x 0.8m wide "KAYTECH" soakaway infiltration system with 8 units to manufacturers specifications	Item	
Carried Forward			R
Section No. 10 Site work Bill No. 1 Site work			

Brought Forward			R
<u>NEW SEWER</u>			
27	New sewer manhole 1.2m depth with pre cast rings 0.75m dia. precast cover and lid, including necessary excavation, compaction, etc.	No	1
28	New 110mm dia Class 34 upvc sewer pipe laid in trenches to fall 1:60.including necessary excavation,backfill and compaction	m	23
29	New 110mm dia Class 34 upvc sewer pipe fix to side of walls to a fall 1:60	m	14
<u>Allow for:</u>			
30	3.5x1.6m Existing Septic tank to be desludged and rectified	Item	
<u>ROADWORKS, PARKING AREAS</u>			
<u>EARTHWORKS</u>			
<u>Open face excavation over sloping site</u>			
31	Open face excavation to form platform under parking areas etc and depositing excavated material over site including haulage not exceeding 1km from perimeter of excavations	m3	48
<u>Extra over all excavations for loading, carting and dumping surplus excavated material, rubble, etc. (No allowance made for increase in bulk)</u>			
32	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m2	22
<u>Earth filling supplied by the contractor under pavings etc</u>			
33	100mm G5 natural gravel base course compacted to 95% Mod AASHTO density	m3	48
Carried Forward			R
Section No. 10 Site work Bill No. 1 Site work			

Brought Forward			R
34	150mm Thick layer of G2 sub-base course under roads, parking areas, etc. with selected and approved natural C4 quality material, supplied and carted onto site by the contractor, compacted in layers of 150mm thickness to at least 98% Mod. AASHTO density	m3	53
<u>Coarse river sand filling supplied by the contractor</u>			
35	Under pavings etc	m3	320
<u>Compaction of surfaces</u>			
36	Compaction of existing ground surfaces under roads, etc. Including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% mod AASHTO density	m2	320
<u>Approved weedkiller mixed and applied in the proportion as recommended by the manufacturer</u>			
37	Approved brand of weed killer applied by a registered pest control company under roads, parking and paving	m2	320
<u>Prescribed density tests on filling</u>			
38	Allow for the execution of all the prescribed density tests on filling, etc., as pointed out by the Engineer on site to the approval of the Principal Agent	No	2
<u>Bituminous premix road surfacing</u>			
39	Prime and lay 30mm thick 40/50 pen. Bitumen 9.5mm stone, laid compacted, to fall	m2	150
<u>PRECAST CONCRETE PAVERS</u>			
<u>Precast Interlocking concrete pavers (cement colour)</u>			
40	60mm Interlocking concrete paving blocks or similar approved basket weave pattern, to falls and cross falls (preparation of ground or filling elsewhere)	m2	148
Carried Forward			R
Section No. 10 Site work Bill No. 1 Site work			

Brought Forward			R
<u>Precast concrete finished smooth on exposed surfaces including bedding, cutting</u>			
41	Kerb (SABS 927 Fig.6) 125 x 250mm high with 150 x 100mm unreinforced concrete 15MPa/7mm triangular haunching at back and laid on 300 x 50mm thick unreinforced concrete 15MPa/7mm bedding including excavation, backfilling, etc, top soiled and levelled to adjacent surfaces	m	58
<u>CONCRETE APRON</u>			
<u>The following in aprons with one side abutting brickwork</u>			
42	Unreinforced concrete (20Mpa) in apron slab	m3	11
<u>CARPORT</u>			
<u>Supply and install 0.5mm Colorbond IBR chromadeck profile sheets laid to 2 degree fall, 150x50x20x3mm Rafter either side, bolted to 76x76x3mm Galv.Square Post cast into in-situ concrete bases. 80x80mm PFC Rain water downpipes fixed to pre-fab "Alushade" gutter with 45 degree shoe at bottom OR other equally approved</u>			
43	Standard Carport Awning: Colorbond IBR chromadeck roof sheeting on box beams with fascia gutter profiles or other approved	m2	98
Carried Forward			R
Section No. 10 Site work Bill No. 1 Site work			

Brought Forward			R
<u>FENCING</u>			
<u>Site Clearance</u>			
44	Allow for clearing of site for a width of 1000mm where fencing runs are to be erected	m	240
<u>Palisade or other equally approved galvanised steel security fencing</u>			
45	Galvanized Steel Palisade fencing 1800mm high	m	240
<u>WELDED GALVANISED POSTS STEEL GATES ,ETC.</u>			
Gates of hot dipped galvanised tubular steel covered with fencing to match the adjoining work laced to framing			
Hinges of gates hung to concrete posts to have mild steel clamps formed of 50mm x 5mm plates 200mm long and bolted together with two 10mm x 140mm bolts			
46	Double gate 2mm x 51mm Diameter tubular framed size 3000mm x 1800mm high including barrel bolt with 25mm diameter galvanised pipe keep and standard semi-circular hinged gate lock, hung to posts (measured elsewhere)	No	1
47	Pedestrian gate 1000 x 1800mm high including locking mechanism and padlock	No	1
<u>WATER TANK</u>			
<u>The following in tank stand</u>			
48	5000 litre Polyethylene water tank with 35mm diameter inlet at top and 50mm overflow outlet and 25mm outlet at base of tank including access hatch on top fitted with vermin-proof vent	No	2
49	Provide the sum R 10 000.00 (Ten Thousand Rand) for any additional siteworks	Item	10 000,00
Carried to Final Summary			R
Section No. 10			
Site work			
Bill No. 1			
Site work			

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