

Item	Description	Unit	Qty	Rate	Amount
	<b>SECTION No. 1</b>				
	<b>Bill No. 1</b>				
	<b>PRELIMINARIES</b>				
	<b>NOTES</b>				
	The Principal Building Agreement JBCC Series 2000 (Edition 4.1 Code 2101 March 2005), recommended by the Joint Building Contracts Committee and amended as hereinafter described, shall apply.				
	The Preliminaries (May 2005 Edition) for use with the JBCC Series 2000 Principal Building Agreement as recommended by the Joint Building Contracts Committee shall be deemed to be incorporated herein.				
	The Model Preambles for Trades as published by the Association of South African Quantity Surveyors (1999 Edition) shall be taken to be incorporated in these bills of quantities and shall be applicable to the building works.				
	Tenderers are referred to the above mentioned documents for the full intent and meaning of each clause thereof. These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not applicable to this contract, such modifications/corrections or additions as are necessary, are given as far as possible under each relevant clause heading.				
	No claim whatsoever shall be entertained in respect of errors or omissions in pricing due to brevity of descriptions of items which are fully described when read in Preliminaries and Preambles.				
	The Tenderers shall allow opposite each of the Clauses whatever costs and charges he may consider necessary for the carrying out, comply with and due observance of the provisions, conditions and requirements set out herein. Only priced items will be considered in respect of any adjustment of this Section. Any items left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderer's omission to price any item will be entertained.				
	Where modifications or amendments as described are made, such modifications and/or amendments shall supercede any conflicting provisions in the relevant Clauses of the Preliminaries or the Principal Building Agreement and the tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended.				
	Any item not relevant to this Contract is marked N/A.				
	If alternative A for the adjustment of Preliminaries is selected (Clause 10.3) then each priced item shall be clearly divided according to one or more of the following denotations:				
	E = Fixed amount				
	V = Variable in proportion to contract value				
	T = Variable in proportion to construction period				
	<b>SECTION A: PRINCIPAL BUILDING AGREEMENT (JBCC SERIES 2000 - EDITION 4.1 CODE 2101 MARCH 2005)</b>				
	<b>DEFINITIONS</b>				
	Definitions and Interpretation (Clause 1.0)	Item	1		
	F:.....V:.....T:.....				
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Item	Description	Unit	Qty	Rate	Amount
	<b>OBJECTIVE AND PREPARATION</b>				
	Offer acceptance and Performance (Clause 2.0) F:..... V:..... T:.....	Item	1		
	Documents (Clause 3.0) The Bills of Quantities shall not be used for ordering of materials Clause 3.1 shall be deleted in its entirety. Clause 3.2.2 shall be deleted in its entirety. Clause 3.3 shall be deleted and replaced with: "The Contractor shall, before or at Site Handover, sign and deliver to the Principal Agent, a waiver of contractor's lien". F:..... V:..... T:.....	Item	1		
	<b>Design responsibility (Clause 4.0)</b> The following new clauses are hereby added to this clause:  Any sub-contractor whose subcontract involves design work will be required to sign an indemnity in order to provide to the employer evidence of "professional indemnity" insurance for such design work.  If the Contractor fails to obtain the necessary design warranties from the subcontractors, the design responsibility shall be deemed to devolve upon the Contractor. F:..... V:..... T:.....	Item	1		
	<b>Employer's agents (Clause 5.0)</b> F:..... V:..... T:.....	Item	1		
	<b>Site representative (Clause 6.0)</b> Clause 6 is amended by the addition of the following:  The names, CV's and organogram of the contractor's proposed management team shall be submitted to the principal agent prior to commencement on site and, after the principal agent's agreement on the composition and competence thereof has been obtained, no changes shall be made nor shall any member of the said team be removed from the project while remaining in the employ of the contractor, without the principal agent's prior written approval. F:..... V:..... T:.....	Item	1		
	<b>Compliance with regulations (Clause 7.0)</b> Clause 7.0 is amended by the addition of the following clause:  The employer reserves the right to pay direct (i.e. not through the contractor) for all or any permanent connections to local or other authority services, for which provisional amounts have been included within the selected subcontract bill/section hereof. In the event of the employer paying direct for these charges, the contractor will not be entitled to a ten percent (10%) mark-up in terms of Clause 32.4. All such provisional amounts included in the contract sum will be omitted.	Item	1		
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	<p>Without limiting the generality of the provisions of clause 7.0 of the agreement, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993 in which it is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The principal agent shall, on behalf of the employer, issue such health and safety specification and the contractor shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification, provided such provisions are reasonable in terms of the act and the regulations.</p> <p>F:..... V:..... T:.....</p>				
	<p><b>Works risk (Clause 8.0)</b></p> <p>Clause 8.0 is amended by the addition of the following clause:</p> <p>8.2.3The contractor shall be liable for and pay the deductibles.</p> <p>Clause 8.6 is deleted and substituted with:</p> <p>The Contractor shall forthwith notify the principal agent, the Employer and Employer's Insurance Broker, as well as any other insurer involved of any physical loss and damage to the works that comes to his attention.</p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>Indemnities (Clause 9.0)</b></p> <p>Clause 9.1.1 is deleted and substituted with:</p> <p>Claims from other parties consequent upon the death or bodily injury or illness of any person or physical loss or damage to any property, other than the works, arising out of or due to the execution of the works or occupation of the Site by the Contractor or his Subcontractors".</p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>Works insurances (Clause 10.0)</b></p> <p>Clause 10.0 is amended by the addition of the following clause:</p> <p>10.5The Contractor shall be liable for and pay the deductibles.</p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>Liability insurances (Clause 11.0)</b></p> <p>Clause 11.0 is amended by the addition of the following clause:</p> <p>11.3The Contractor shall be liable for and pay the deductible.</p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>Effecting insurances (Clause 12.0)</b></p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>No clause</b></p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>Security (Clause 14.0)</b></p>	Item	1		
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Item	Description	Unit	Qty	Rate	Amount
	<p>Tenderers are required to submit proof with their tenders from the Guarantor that security will be provided should their tender be accepted - such proof to be in the form of a letter from the Guarantor stating the amount of security to be provided. The above security requirement shall also apply to all nominated/selected sub-contractors.</p> <p>The following new sub-clause shall be added:</p> <p>In the event that the value of the works (excluding adjustments in terms of the contract price adjustment provisions) were to increase during the course of the contract by an amount of 15% or more of the contract sum, upon written request from the Principal Agent, the Contractor shall immediately arrange to have the construction guarantee "guaranteed sum" increased accordingly, the verified cost of which shall be added to the contract sum".</p> <p>F:..... V:..... T:.....</p> <p><b>EXECUTION</b></p> <p><b>Preparation for and execution of the works (Clause 15.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>Access to the works (Clause 16.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>Contract instructions (Clause 17.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>Setting out of the works (Clause 18.0)</b></p> <p>The following sub-clauses are hereby added to this clause:</p> <p>18.5The Contractor shall perform tolerance control checks regularly throughout the contract period and report on these at regular intervals to the Principal Agent".</p> <p>F:..... V:..... T:.....</p> <p><b>Assignment (Clause 19.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>Nominated sub-contractors (Clause 20.0)</b></p> <p>All amounts allowed under Provisional Sums are intended to be awarded to Nominated Subcontractors.</p> <p>F:..... V:..... T:.....</p> <p><b>Selected sub-contractors (Clause 21.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>Employers Direct Contractors (Clause 22.0)</b></p>				
	Carried to Collection				
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Item	Description	Unit	Qty	Rate	Amount
	The following sub-clauses are hereby added to this clause:				
	The contractor shall not be entitled to any percentage profit or discount on the value of any work executed by direct contractors but shall nevertheless allow direct contractors and the employer's tenants and employees to have access to the works, allocate reasonable space in the building for the storage of their material, tools and equipment, all to the satisfaction of the principal agent. The contractor shall also allow the direct contractors, etc. to use, free of charge, the ablution facilities and water and power supply on the site, and shall not in any way hinder or prevent the execution of their work.				
	F:..... V:..... T:.....				
	<b>Contractors Domestic Subcontractors (Clause 23.0)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>COMPLETION</b>				
	<b>Practical completion (Clause 24.0)</b>	Item	1		
	The Contractor shall also compile his own practical completion list, a copy of which must be available to the Principal Agent prior to the Contractor giving notice to the Principal Agent to inspect the works.				
	F:..... V:..... T:.....				
	Works Completion (Clause 25.0)	Item	1		
	F:..... V:..... T:.....				
	<b>Final Completion (Clause 26.0)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Latent defects liability period (Clause 27.0)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Sectional completion (Clause 28.0)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Revision of date for practical completion (Clause 29.0)</b>	Item	1		
	(1) Clause 29.0 is amended by:  "29.9 Revision to the date for practical completion shall only be considered when work on the critical path of the agreed programme for the works is delayed".				
	<b>(2)29.10 ACCELERATION</b>				
	29.10.1 irrespective of whether or not the Principal Agent rules that the Contractor is entitled to an extension of time or a revision of the date for practical completion, the Principal Agent shall nevertheless, at any time, be entitled to instruct the Contractor, in writing, to accelerate the progress of the remaining works, to ensure that the works are completed by the original date for practical completion or revised date as the case may be.				
	Carried to Collection				
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Item	Description	Unit	Qty	Rate	Amount
	<p>29.10.2 Upon receipt of such instruction, the contractor shall take necessary steps to ensure that the works are completed timeously, including the provision by him of additional resources, plant, manpower, etc. and the working overtime or additional overtime beyond that contemplated at the time of tender (at all times adhering to the regulations and requirements of all authorities) and by all other adequate and proper means and methods. The Contractor shall prove that such steps are being taken if called upon to do so.</p> <p>29.10.3 The Contractor's entitlement to compensation arising out of or in respect of any revision to the date for practical completion that may have been granted by the Principal Agent, or alternatively, where the Principal Agent has instructed the Contractor to accelerate, shall be adjudicated strictly in terms of Clause B10.3 hereof. The Contractor shall not be entitled to any compensation of any nature whatsoever, other than that provided for in terms of Clause B10.3.</p> <p>(3)29.11.1 The removal and replacement of material and/or workmanship that does not conform with specification or drawings shall not constitute ground for an extension of the construction period nor for an adjustment to the contract sum.</p> <p>F:..... V:..... T:.....</p> <p><b>Penalty for non-completion (Clause 30.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>PAYMENT</b></p> <p><b>Interim payment to the contractor (Clause 31.0)</b></p> <p>Materials and goods off site in terms of Clause 31.6.5 will not be included in the amount authorized for payment.</p> <p>Clause 31.9: The period of payment by the employer to the contractor of the payment certificate shall be deemed to be amended from seven (7) to twenty one(21) calendar days from receipt of contractors Tax invoice.</p> <p><b>Clause 31.10:</b> The employer shall not pay compensatory interest on any amounts certified after practical completion.</p> <p>F:..... V:..... T:.....</p> <p><b>Adjustments to the contract value (Clause 32.0)</b></p> <p>Where prices are submitted by the Contractor or Nominated/Selected Subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the Principal Agent wish to accept any such prices prior to the issue of the Final Certificate, it will be in writing.</p> <p>This is a fixed price contract and no adjustment to the contract value due to inflationary cost or other increases will be made</p> <p>F:..... V:..... T:.....</p> <p><b>Recovery of expense and loss (Clause 33.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>Final account and final payment (Clause 34.0)</b></p> <p>The Employer shall not pay any interest on amounts payable to the contractor for a hundred and twenty days (120) after the date of issue of the certificate of practical completion.</p> <p style="text-align: right;">Carried to Collection</p> <p>Bill No. 1 Preliminaries</p>	Item	1		
		Item	1		
		Item	1		
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		Item	1		

Item	Description	Unit	Qty	Rate	Amount
	<p>The first sentence of Clause 34.10 shall be amended as follows:</p> <p>The Employer shall pay the Contractor the amount certified for payment in the Final Payment Certificate within twenty one (21) calendar days of the date of issue of the Final Payment Certificate.</p> <p>F:..... V:..... T:.....</p> <p><b>Payment to other parties (Clause 35.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>CANCELLATION</b></p> <p><b>Cancellation by employer - Contractor's default (Clause 36.0)</b></p> <p>Clause 36.3 is amended by the deletion of the words "ten (10) working days" and the substitution with the words "five (5) working days"</p> <p>F:..... V:..... T:.....</p> <p><b>Cancellation by employer - Loss and damage (Clause 37.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>Cancellation by contractor - employer's default (Clause 38.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>Cancellation - cessation of the works (Clause 39.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>Dispute settlement (Clause 40.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>SUBSTITUTE PROVISIONS</b></p> <p><b>State clauses (Clause 41.0)</b></p> <p>F:..... V:..... T:.....</p> <p><b>PRE-TENDER INFORMATION</b></p> <p><b>The schedule (Clause 42.0)</b></p> <p>F:..... V:..... T:.....</p> <p>Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder</p> <p><b>CONTRACTING AND OTHER PARTIES</b></p> <p><b>Employer:</b></p> <p>.....</p> <p>Tel No: Fax No:</p> <p><b>Project Manager:</b></p> <p>.....</p> <p>Tel No: Fax No:</p> <p style="text-align: right;">Carried to Collection</p>				
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Item	Description	Unit	Qty	Rate	Amount
	<p><b>Architect:</b></p> <p>.....</p> <p>Tel No: Fax No:</p> <p><b>Electrical Engineer:</b></p> <p>.....</p> <p>Tel No: Fax No:</p> <p><b>Quantity Surveyor:</b></p> <p>Tel No: Fax No:</p> <p><b>Civil Engineer:</b></p> <p>.....</p> <p>Tel No: Fax No:</p> <p><b>CONTRACT DETAILS</b></p> <p>Works description:</p> <p>The work comprises....</p> <p>Site description:</p> <p>The sites for the works is:</p> <p>Work or installations by direct contractors: N/A</p> <p>This agreement is for a government contract: N/A</p> <p>Date on which possession of the site is intended to be given</p> <p><input type="checkbox"/></p> <p>Period for the commencement of the works after the contractor takes possession of the site: One (1) working day</p> <p><b>For the works as a whole :</b></p> <p>Date for practical completion</p> <p>Penalties per calendar day: R 4 000.00</p> <p><b>For the works in sections:</b></p> <p>Date of practical completion and the penalty per calendar day for:</p> <p>Date: N/A Penalty: N/A</p> <p>The law applicable to this agreement: Republic of South Africa</p> <p><b>INSURANCES</b></p> <p>The Contractor shall be liable for the First Amount payable (deductible) in respect of each claim in terms of all policies affected by either the Contractor or Employer.</p> <p>Contract works insurance effected by: Contractor</p> <p>Carried to Collection</p> <p>Bill No. 1 Preliminaries</p>				



Item	Description	Unit	Qty	Rate	Amount
	For the amount of: The contract sum plus 30%				
	With a deductible of: To be advised				
	Supplementary insurance required: Employer				
	For the amount: To be advised				
	With a deductible of: To be advised				
	Public liability insurance to be effected by: Contractor				
	For the amount of: R 3 000 000.00				
	With a deductible of: To be determined by the Contractor				
	Support insurance - N/A				
	<b>DOCUMENTS</b>				
	Waiver of the contractor's lien is required: Yes				
	The contractor's lien is hereby waived. The contractor's right in terms of clause 3.2 to receive a payment guarantee from the Employer in terms of clause 3.1 is also waived				
	Construction document copies to be supplied to the contractor free of charge:				
	Bills of Quantities: Two copies and Drawings: Four sets				
	Bills of quantities/schedule of rates drawn up in accordance with a system other than the Standard System of Measuring Building Work:				
	Building works is drawn up in accordance with the Standard System of Measuring Building work (Sixth Edition).				
	Priced Bills of Quantities to be submitted with tender : Yes				
	JBCC Engineering General Conditions are to be included in the contract documents: Yes				
	The contract value is to be adjusted using CPAP indices: No				
	This is a fixed price contract and no adjustment due to inflationary cost increase will be entertained				
	Details of changes made to the provisions of JBCC standard documentation:				
	1.Clause 3.2: No payment guarantee provided by the Employ				
	2.Clause 31.6.5:Material off site will not be included in payment certificates.				
	3.Clause 31.9: Payment by Employer will be within 21 calendar days				
	4.The Employer shall not pay compensatory interen terms of Clause 31.10				
	5.Clause 34.0: Amplification of payment interest amounts.				
	<b>POST TENDER INFORMATION</b>				
	The latest day of the month for the issue of an interim payment certificate:				
	2nd day <input type="checkbox"/>				
	Payment of preliminaries: To be selected by Contractor (A or B) <input type="checkbox"/>				
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Item	Description	Unit	Qty	Rate	Amount
	Adjustment of preliminaries: To be selected by Contractor (A or B)				
	The Employer will not effect a payment guarantee				
	Securities to be provided: To be selected by contractor				
	Annual building holiday period: To be advised				
	<b>SECTION B : PRELIMINARIES</b>				
	Definitions and interpretation (Clause 1.0)	Item	1		
	F:..... V:..... T:.....				
	<b>Documents</b>				
	<b>Checking of documents (Clause 2.1)</b>	Item	1		
	Drawings indicating the scope of work is issued with this bill of quantities. A complete set of drawings is available at the offices of the Principal Agent. The tenderer shall scrutinise these drawings to ensure that all aspects of the works, requirements, scope and programming are included in the tender sum				
	F:..... V:..... T:.....				
	<b>Provisional bills of quantities (Clause 2.2)</b>	Item	1		
	These Bills of Quantities shall not be used for ordering purposes				
	F:..... V:..... T:.....				
	<b>Availability of construction documentation (Clause 2.3)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Interest of agents (Clause 2.4)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Priced documents (Clause 2.5)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Tender submission (Clause 2.6)</b>	Item	1		
	F:..... V:..... T:.....				
	The site				
	<b>Defined works area (Clause 3.1)</b>	Item	1		
	The area of the works to be occupied by the contractor for site establishment, material deliveries, etc. will be pointed out at the site inspection.				
	F:..... V:..... T:.....				
	<b>Geotechnical investigation (Clause 3.2)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Inspection of the site (Clause 3.3)</b>	Item	1		
	No claims for extras arising from the contractor having failed to comply with this clause will be entertained				
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Item	Description	Unit	Qty	Rate	Amount
	Refer to compulsory site inspection in Notes to Tenderers F:..... V:..... T:.....				
	<b>Existing premises occupied (Clause 3.4)</b>  Care shall be taken to allow full access on the site for surrounding tenants and public. The contractor shall ensure adequate functioning of the building services to existing occupied areas at all times  Change over procedures for building services shall be agreed with the Principal Agent F:..... V:..... T:.....	Item	1		
	<b>Previous work - dimensional accuracy (Clause 3.5)</b> F:..... V:..... T:.....	Item	1		
	<b>Previous work - defects (Clause 3.6)</b> F:..... V:..... T:.....	Item	1		
	<b>Services - known (Clause 3.7)</b> F:..... V:..... T:.....	Item	1		
	<b>Services - Unknown (Clause 3.8)</b> F:..... V:..... T:.....	Item	1		
	<b>Protection of trees (Clause 3.9)</b> F:..... V:..... T:.....	Item	1		
	<b>Articles of value (Clause 3.10)</b> F:..... V:..... T:.....	Item	1		
	<b>Inspection of adjoining properties (Clause 3.11)</b> F:..... V:..... T:.....	Item	1		
	<b>Management of contract</b>				
	<b>Management of the works (Clause 4.1)</b>  Clause 4.1 shall be deemed to be amended by the addition of the following:  The contractor shall, to the satisfaction of the Principal Agent, provide the services of an experienced and competent Construction Manager and Site Agent supported by a management team who shall, inter alia be responsible for all activities of the contractor and all subcontractors and in particular: (a)Programming (b)Scheduling (c)Reporting (d)Production of shop drawings and samples (e)Procurement and expediting (f)Liaison and co-ordinating of construction (g)Commissioning, instruction, handover and follow up (h)Monitoring and reporting on building activities taking place on site	CONT	1		
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Item	Description	Unit	Qty	Rate	Amount
	The names and CV's of the contractor's site management team shall be submitted to the principal agent prior to commencement on site and, after the principal agent's agreement on the composition thereof has been obtained, no changes shall be made nor shall any member of the said team be removed from the site while remaining in the employ of the contractor without the principal agent's express written approval  F:..... V:..... T:.....	Item	1		
	<b>Programme for the works (Clause 4.2)</b>	CONT	1		
	Clause 4.2 shall be deemed to be amended by the addition of the following:  The program shall be prepared by the contractor prior to commencement of construction and shall be presented in the form of a network in accordance with the procedures generally referred to as programme evaluation review techniques (PERT) or critical path method (CPM) in precedent format. The network shall be analysed and shall include as a minimum, graphic representations (bar chart and network) indicating all significant activities and critical paths, milestones and events involved in the construction of the project.  The network analysis, as described, shall be agreed with the principal agent and no subsequent changes are to be made without his prior written approval  The contractor shall incorporate into his network analysis the work being performed by all sub-contractors, selected, nominated or otherwise, so that all work involved is shown in the network analysis for the complete project  The network graphic representation must clearly depict the sequence of the activities planned by the contractor, their interdependence and time required to perform each activity. In developing the project network, the contractor shall use arrow or precedence notation.  Activities shown on the network shall consist not only of the actual construction operations, but shall also include the submission of shop drawings and samples and approvals therefor, procurements of materials and equipment, fabrication and delivery of materials, installation and testing of major and critical items, contiguous or related work under sub-contracts or under other contracts and all other items pertinent to the work. Related activities shall be grouped on the network for simplification. The selection of all activities shall be subject to approval by the principal agent.				
	<b>The contractor shall submit a separate schedule of information regarding selected sub-contractors indicating dates of information required and dates of sub-contractors required on site.</b>	CONT	1		
	The contractor shall furnish, with the initial network analysis, a tabular listing of all activities listed on the network analysis. For each activity there shall be listed the earliest and latest start and finish times and the float. Activities on the critical path shall be so indicated.  Only the latest drawings available shall be used by the contractor as a basis for drawing up the network and not the quantities contained in these Bills of Quantities.  Programme Updates:  During the progress of the work, the contractor shall agree progress on a two weekly basis with the principal agent and update the network accordingly for reporting and monitoring purposes. Items on the critical path shall be clearly identified				
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Item	Description	Unit	Qty	Rate	Amount
	<p>In addition to the tabular report, the contractor shall provide a narrative report on the construction progress and shall particularly note unusual conditions encountered that may have delayed progress of the work. In the event of such delays, he shall describe actions proposed to overcome adverse conditions to maintain the planned schedule completion dates.</p> <p>Variations/Amendments:</p> <p>The contractor shall throughout the progress of the contract amend and update the network to incorporate all variations, new drawings and site instructions and all such amendments are subject to the principal agent's approval.</p> <p>The contractor shall not amend the completion dates of the project unless extensions of time have been granted by the principal agent in terms of Clause 29.0 of the agreement</p> <p><b>Work behind program:</b></p> <p>If in the opinion of the principal agent, the contractor, through causes under his control, falls behind programme, the contractor shall take such steps as may be necessary to improve his progress. The principal agent may require him to increase the number of shifts and/or overtime operations, days of work and/or the amount of construction plant, all without additional cost to the Employer. The contractor shall submit for the approval of the principal agent, a revised network in the form required above in order to demonstrate the manner in which the agreed rate of progress shall be registered.</p> <p>Float indicated on the contract programme shall be shared by the contractor and Employer on a 50:50 basis</p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>Progress meetings (Clause 4.3)</b></p> <p>The contractor shall provide the principal agent at the progress meetings, with all the available information in report form concerning the condition and progress of his and his sub-contractor's work</p> <p>The principal agent's progress meetings shall be held as notified and based on formal agenda established by the principal agent. These meetings shall be attended by all agents and by at least the contractor's contract manager and his site agent as directed, and will be chaired and minuted by the principal agent.</p> <p>The principal agent shall issue a schedule of progress meetings.</p> <p>The Employer's Representative/internal project leader may attend progress meetings.</p> <p>The contractor shall submit a summarised progress report at the progress meetings covering all aspects of the work, including a statement of his assessment of the work progress, any delays, labour complement and construction plant and equipment</p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>Technical meetings (Clause 4.4)</b></p> <p>The contractor shall convene, under his chairmanship, regular meetings with nominated, selected and other sub-contractors for the purpose of establishing co-ordination and progress of the works and all other matters, queries, etc. , relating to their individual sub-contracts and schedule in order to allow the contractor to report at the progress meetings</p> <p>F:..... V:..... T:.....</p>	Item	1		
	Carried to Collection				
	Bill No. 1				
	Preliminaries				

Item	Description	Unit	Qty	Rate	Amount
	<b>Labour and plant records (Clause 4.5)</b>	Item	1		
	F:..... V:..... T:.....				
	Samples, shop drawings and manufacturer's instructions				
	Samples of materials (Clause 5.1)	Item	1		
	F:..... V:..... T:.....				
	<b>Workmanship samples (Clause 5.2)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Shop drawings (Clause 5.3)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Compliance with manufacturers instructions (Clause 5.4)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Temporary works and plant</b>				
	<b>Deposits and fees (Clause 6.1)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Enclosure of the works (Clause 6.2)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Advertising (Clause 6.3)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Plant, equipment, sheds and offices (Clause 6.4)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Main noticeboard (Clause 6.5)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Subcontractors noticeboard (Clause 6.6)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Temporary services</b>				
	<b>Location (Clause 7.1)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Water (Clause 7.2)</b>	Item	1		
	Alternative B will apply: Free of charge but contractor to install a meter for monitoring purposes				
	F:..... V:..... T:.....				
	<b>Electricity (Clause 7.3)</b>	Item	1		
	Alternative B will apply: Free of charge but contractor to install a meter for monitoring purposes				
	F:..... V:..... T:.....				
	Carried to Collection				
	Bill No. 1				
	Preliminaries				

Item	Description	Unit	Qty	Rate	Amount
	<b>Telecommunication facilities (Clause 7.4)</b>	Item	1		
	Alternative A: Contractor to supply a telephone				
	F:..... V:..... T:.....				
	<b>Ablution facilities (Clause 7.5)</b>	Item	1		
	Alternative A: Contractor to provide				
	F:..... V:..... T:.....				
	Prime cost amounts				
	<b>Responsibility for prime cost amounts (Clause 8.1)</b>	Item	1		
	F:..... V:..... T:.....				
	Attendance on N/S subcontractors				
	<b>General attendance (Clause 9.1)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Special attendance (Clause 9.2)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Commissioning -fuel, water and electricity (Clause 9.3)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Financial aspects</b>				
	<b>Statutory taxes duties and levies (Clause 10.1)</b>	Item	1		
	Rates for quantities shall exclude VAT as provision is made in the summary of these Bills for VAT				
	F:..... V:..... T:.....				
	<b>Payment of preliminaries (Clause 10.2)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Adjustment of preliminaries (Clause 10.3)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>Payment certificate cash flow (Clause 10.4)</b>	Item	1		
	F:..... V:..... T:.....				
	<b>General</b>				
	<b>Protection of the works (Clause 11.1)</b>	Item	1		
	The contractor shall ensure that dust be contained to the absolute minimum - this will be strictly monitored.				
	The contractor shall provide for the protection of all work for which a certificate of practical completion has not been issued.				
	The contractor shall be responsible for any damage which may occur and shall make good at his own expense				
	F:..... V:..... T:.....				
	Carried to Collection				
	Bill No. 1				
	Preliminaries				

Item	Description	Unit	Qty	Rate	Amount
	<b>Protection/isolation of existing/sectionally occupied works (Clause 11.2)</b> F:..... V:..... T:.....	Item	1		
	<b>Security of the works(Clause 11.3)</b> All workmen shall be clearly identifiable at all times as authorized construction workers and non-compliance will result in a person being evicted from site. Workers will be restricted to the immediate vicinity of building operations <b>Refer also to Notes to Tenderers</b> F:..... V:..... T:.....	Item	1		
	<b>Notice before covering work (Clause 11.4)</b> F:..... V:..... T:.....	Item	1		
	<b>Disturbance (Clause 11.5)</b> To least interfere with the occupants of the buildings, connections to services will have to be done after hours and over weekends and Tenders shall allow for this in their tenders F:..... V:..... T:.....	Item	1		
	<b>Environmental disturbance (Clause 11.6)</b> F:..... V:..... T:.....	Item	1		
	<b>Works cleaning and clearing (Clause 11.7)</b> F:..... V:..... T:.....	Item	1		
	<b>Vermin (Clause 11.8)</b> F:..... V:..... T:.....	Item	1		
	<b>Overhand work (Clause 11.9)</b> F:..... V:..... T:.....	Item	1		
	<b>Instruction manuals and guarantees (Clause 11.10)</b> F:..... V:..... T:.....	Item	1		
	<b>As built information (Clause 11.11)</b> F:..... V:..... T:.....	Item	1		
	<b>Tenant installations (Clause 11.12)</b> F:..... V:..... T:.....	Item	1		
	<b>SCHEDULE OF VARIABLES</b> <b>The schedule (Clause 12.0)</b> F:..... V:..... T:.....	Item	1		
	Carried to Collection				
	Bill No. 1				
	Preliminaries				



Item	Description	Unit	Qty	Rate	Amount
	<b>12.1 PRE-TENDER INFORMATION</b>				
	12.1.1 <input type="checkbox"/> Provisional Bills of Quantities (2.2):				
	The quantities are provisional: Yes				
	12.1.2 <input type="checkbox"/> Availability of construction documentation (2.3):				
	Construction documentation is complete: No				
	12.1.3 <input type="checkbox"/> Interest of agents (2.4): No interest				
	12.1.4 <input type="checkbox"/> Defined work area (3.1):				
	The area of the works to be occupied by the contractor, any restriction to the area and the limit of access or exit will be pointed out to the contractor by the principal agent at the compulsory site inspection				
	12.1.5 <input type="checkbox"/> Geotechnical Investigation (3.2): No				
	12.1.6 <input type="checkbox"/> Existing premises occupied (3.4): Yes				
	12.1.7 <input type="checkbox"/> Previous work - dimensional accuracy (3.5): All measurements to be taken from the existing buildings.				
	12.1.8 <input type="checkbox"/> Previous work defects (3.6): Yes				
	12.1.9 <input type="checkbox"/> Services - known (3.7): Yes				
	12.1.10 <input type="checkbox"/> Protection of trees (3.9): Yes				
	12.1.11 <input type="checkbox"/> Inspection of adjoining properties (3.11): N/A				
	12.1.12 <input type="checkbox"/> Enclosure of the works (6.2):				
	12.1.13 <input type="checkbox"/> Offices (6.4.3): Offices to be suitable for meeting with at least 12 persons in attendance				
	12.1.14 <input type="checkbox"/> Main noticeboard (6.5): Yes				
	12.1.15 <input type="checkbox"/> Subcontractor's noticeboard (6.6): Yes				
	<b>12.1.16 Water (7.2):</b>				
	Option B ( by employer - free of charge but the contractor to install a meter for monitoring purposes): Yes				
	<b>12.1.17 <input type="checkbox"/> Electricity (7.3):</b>				
	Option B ( by employer - free of charge but the contractor to install a meter for monitoring purposes): Yes				
	<b>12.1.18 Telecommunications (7.4):</b>				
	Option A (by contractor): Yes				
	<b>12.1.19 <input type="checkbox"/> Ablution facilities (7.5):</b>				
	Option A ( by contractor): Yes				
	12.1.20 <input type="checkbox"/> Protection of existing/sectionally occupied works (11.2): Yes				
	<b>12.1.21 <input type="checkbox"/> Special attendance (9.2): No</b>				
	12.1.22 <input type="checkbox"/> Protection of the works (11.1): No specific requirements				
	12.1.23 <input type="checkbox"/> Disturbance (11.5): Refer to clause 11.5				
	Carried to Collection				
	Bill No. 1				
	Preliminaries				

Item	Description	Unit	Qty	Rate	Amount
12.1.23	Environmental disturbance (11.6): No specific requirements				
<b>12.2</b>	<b>POST TENDER INFORMATION</b>				
<b>12.2.1</b>	<b>Payment of preliminaries:</b>				
	Option A ( prorated): To be selected by contractor				
	Option B ( calculated): To be selected by contractor				
<b>12.2.2</b>	<b>Adjustment of preliminaries:</b>				
	Option A ( three categories): To be selected by contractor				
	Option B ( detailed breakdown): To be selected by contractor				
	<b>SECTION C - SPECIFIC PRELIMINARIES</b>				
	<b>Proprietary branded products</b>	Item	1		
	The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instructions after consultation with the manufacturer's authorized representative				
	<b>As built drawings</b>	Item	1		
	The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records				
	<b>Contract Instructions</b>	Item	1		
	Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor				
	<b>Labour Records</b>	Item	1		
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesmen and labourers employed by him and all sub-contractors on the works of each day of that week. Content and format of such reports shall be to the approval of the principal agent				
	<b>Plant Record</b>	Item	1		
	At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week. These records to include plant of sub-contractors. Content and format of such reports shall be to the approval of the principal agent				
	<b>Overtime</b>	Item	1		
	Should overtime be required to be worked for any reason whatsoever, the cost of such overtime are to be borne by the contractor unless the principal agent has specifically authorized, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer				
	Carried to Collection				
Bill No. 1	Preliminaries				

Item	Description	Unit	Qty	Rate	Amount
	<b>Co-operation of contractor for cost management</b>	Item	1		
	It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all sub-contractors				
	<b>GENERAL PREAMBLES</b>				
	The document "Specification of Materials and Methods to be used (PW371)" is obtainable on the Department's website ( <a href="http://www.publicworks.gov.za/">http://www.publicworks.gov.za/</a> under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used				
	F:..... V:..... T:.....	Item	1		
	<b>TRADE NAMES</b>				
	Wherever a trade name for any product has been described in the bills of quantities / lump sum document, 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. If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for				
	F:..... V:..... T:.....	Item	1		
	<b>IMPORTED MATERIALS AND EQUIPMENT</b>				
	Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)				
	F:..... V:..... T:.....	Item	1		
	<b>HIV/AIDS AWARENESS</b>				
	It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment				
	F:..... V:..... T:.....	Item	1		
	Carried to Collection				
	Bill No. 1				
	Preliminaries				

Item	Description	Unit	Qty	Rate	Amount
	<b>AWARENESS CHAMPION</b>				
	Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item	1		
	<b>AWARENESS WORKSHOPS</b>				
	Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item	1		
	<b>POSTERS, BOOKLETS, VIDEOS, ETC</b>				
	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item	1		
	F:..... V:..... T:.....	Item	1		
	<b>ACCESS TO CONDOMS</b>				
	Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item	1		
	<b>MONITORING</b>				
	Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item	1		
	<b>COVID-19 Compliance</b>				
	The contractor is to ensure the site is compliant with the COVID-19 protocols as gazetted and provided for with regards to the OHS specification				
	Infra-red scanner	Item	1		
	Cloth Masks (at least 3 per person)	Item	1		
	Dust Mask FFP2	Item	1		
	Hand sanitizer	Item	1		
	Awareness and Warning Signage	Item	1		
	Hand washing station	Item	1		
	Carried to Collection				
	Bill No. 1				
	Preliminaries				

Item	Description	Unit	Qty	Rate	Amount
	<b>OCCUPATIONAL HEALTH AND SAFETY</b>				
	The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained				
	F:..... V:..... T:.....	Item	1		
	<b>NOTIFICATION OF CONSTRUCTION WORK</b>				
	(Construction Regulation 3) The Contractor shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 3. The Contractor shall submit the notification in writing, on the appropriate form, prior to commencement of work				
	F:..... V:..... T:.....	Item	1		
	<b>HEALTH AND SAFETY PLAN</b>				
	(Construction Regulation 5.4) The Contractor shall provide and demonstrate to the Principal Agent a suitable and sufficiently documented health and safety plan based on the Act, Construction Regulations and the health and safety specification, which shall be applied from the date of commencement of and for the duration of the construction work. The Contractor shall ensure that a copy of the health and safety plan is available on request to an employee, inspector, sub contractor or principal agent all in terms of Regulation 5				
	F:..... V:..... T:.....	Item	1		
	<b>REGISTRATION WITH COMPENSATION FUND</b>				
	(Construction Regulation 5.3 f) The Contractor shall provide proof of his registration and good standing with the Compensation Fund or a licensed compensation insurer prior to the commencement of work				
	F:..... V:..... T:.....	Item	1		
	<b>HEALTH AND SAFETY FILE</b>				
	( Construction Regulation 5.7) The Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the health and safety specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Principal Agent or Inspector upon request. Upon completion of the works, the Contractor shall hand over a consolidated health and safety file to the principal agent				
	F:..... V:..... T:.....	Item	1		
	Carried to Collection				
	Bill No. 1				
	Preliminaries				

Item	Description	Unit	Qty	Rate	Amount
	<b>SUPERVISION OF CONSTRUCTION WORK (SAFETY OFFICER)</b>				
	(Construction Regulation 6) The Contractor shall appoint a full-time competent employee in writing as the construction supervisor, with the duty of supervising the construction work. The Contractor shall appoint a full-time or part-time construction safety officer in writing to assist in the control of all safety related aspects on the site. Such appointments are required to ensure that at all times the requirements of the Act and Construction Regulations are adhered to. Refer to Regulation 6				
	F:..... V:..... T:.....	Item	1		
	<b>RISK ASSESSMENT AND SAFETY POLICY</b>				
	(Construction Regulation 7) Before commencing work the Contractor shall cause a risk assessment to be performed by a competent person appointed in writing and the risk assessment shall form part of the health and safety plan. A copy of the risk assessment shall be available on site at all times for inspection. The Contractor shall at all time carry out the works in a manner to avoid the risk of bodily harm to persons or risk of damage to any property. He shall take all precautions regarding training of employees in any hazards and the related work procedures, health and safety induction training of employees, visitors or any other persons entering the site and provide personal protective equipment to all employees and visitors to site which are necessary and adequate to eliminate any conditions which contribute to the risk of injury to persons or damage to property in terms of Regulation 7				
	F:..... V:..... T:.....	Item	1		
	<b>SIGNIFICANT HAZARD IDENTIFICATION RISK ASSESSMENT</b>				
	The contractor shall allow for additional financial provision, if any, to take the necessary precautions regarding the significant hazards and risks identified and assessed by the design consultants				
	F:..... V:..... T:.....	Item	1		
	<b>ADDITIONAL FINANCIAL PROVISION</b>				
	The Contractor shall allow for additional financial provision, if any, to comply with the requirements of the Occupational Health and Safety Act (Act No 85 of 1993) and the Construction Regulations issued there under which have not been specifically elsewhere provided				
	F:..... V:..... T:.....	Item	1		
	<b>FALL PROTECTION PLAN</b>				
	(Construction Regulation 8) The contractor shall, before commencing any construction work submit a fall protection plan identified all steps to be taken in order to ensure the continued adherence to the fall protection plan and shall include a risk assessment of all work carried out from an relevant position. The fall protection plan shall form part of the health and safety plan and file				
	F:..... V:..... T:.....	Item	1		
	<b>PHYSICAL AND PSYCHOLOGICAL FITNESS</b>				
	(Construction Regulation 8.2(b)) The contractor and sub-contractors shall before commencing any construction work submit proof of his employees that shall carried out work from an elevated position their physical and psychological fitness. And shall be recorded in the health and safety file				
	F:..... V:..... T:.....	Item	1		
	Carried to Collection				
	Bill No. 1				
	Preliminaries				

Item	Description	Unit	Qty	Rate	Amount
	<p><b>CONSTRUCTION VEHICLES AND MOBILE PLANT</b></p> <p>(Construction Regulation 21) The contractor and sub-contractors shall ensure that all operated workers received training and been certified competent to operate such vehicle, and are physical and psychological fit to operate such construction vehicles and mobile plants. And shall be recorded in the health and safety file</p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>TRAINING</b></p> <p>(Construction Regulation 8 (c)) The contractor and sub-contractors shall, before commencing any construction work, submit his training program of all his employees. This program shall from part of the health and safety plan</p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>DEMOLITION WORK</b></p> <p>(Construction Regulation 12) The contractor shall, before any demolition work shall carried out, submit all method of demolition to be used. This method shall form part of the health and safety plan and file.</p> <p>F:..... V:..... T:.....</p>	Item	1		
	<p><b>REMOVAL AND DISPOSAL OF ASBESTOS MATERIAL</b></p> <p>(Asbestos Regulation) The principal contractor shall appoint a contractor that is registered with the Department of Labour as an AIA. The contractor must allow for; NOTIFICATION OF ASBESTOS PROCESSING PERSONAL PROTECTIVE EQUIPMENT PACKAGING AND TRANSPORT AND STORAGE TO DISPOSAL SITE DEMOLITION WORK OF SHEETS LABELLING AND INFORMATION</p> <p>F:..... V:..... T:.....</p> <p>Category: Fixed Category: Value Category: Time</p>	Item Item Item	1 1 1		
	Carried to Collection				
Bill No. 1	Preliminaries				

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
BILL NO. 1 PRELIMINARIES MAIN COLLECTION		Page			
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	Carried to Final Summary				
Bill No. 1 Preliminaries					



Item	Description	Unit	Qty	Rate	Amount
2.1	<p><b>Bill No. 2</b></p> <p><b>DEMOLITIONS</b></p> <p><b>ALL BLOCKS</b></p> <p><b>REMOVAL OF ASBESTOS ROOF SHEETING</b></p> <p>Tenderers are requested to inspect the works and check for themselves the site conditions which are likely to affect the progress of their work. No claims by the contractor will be considered by the Principal Agent afterwards</p> <p>The contractor entrusted to carry out the works should be experienced in such demolition work involving the handling and removal of asbestos contaminated materials, and must be fully aware of the risks involved when working with asbestos. A brief description of works is to be submitted with the tender documents.</p> <p>The contractor is responsible to provide the appropriate personal protective equipment and be proficient in the different work practices which are appropriate for such works. Monitoring of the atmosphere for possible contamination during the works is to be carried out in accordance with the Occupational Health and Safety Act 85 of 1993 and/or any other equivalent legislation.</p> <p>A written authorization from the OHS Authority is to be obtained, setting out the conditions and procedures to be followed in the handling and removal of asbestos containing material</p> <p>The contractor shall obtain from the competent authorities all permits, and licences required by law for the removal and disposal of asbestos containing material.</p> <p>A copy of these permits to be handed to the Principal Agent prior to commencement of the works</p> <p>The work procedure as approved by the OHS is to be made available to the Principal Agent. The contractor is to inform the relevant authorities and the Principal Agent if changes are to be made to this work procedure.</p> <p>The contractor is to take full responsibility of the asbestos contaminated material once it has been removed from site. He will be responsible for the transportation to an approved dumping site.</p> <p>The contractor is to submit to the Principal Agent a certificate showing that the asbestos has been disposed of.</p> <p>On completion of the works the contractor should use appropriate cleaning methods to clean the site where work was carried out of any traces of dust or debris.</p> <p>All fees paid in connection with the application for the works shall be borne by the contractor.</p> <p>Allow for any cost not included in the price of the above items arising from the contractor's obligation to adhere to the conditions for the handling of asbestos</p> <p>Carefully remove the existing Asbestos roof sheeting from roof trusses and/or rafters inclusive of the dismantling, repairing of the support framework, load and cartaway from site. (Rate to include for sealing off building).</p> <p>Allow for cost and charges for the disposal of asbestos</p>				
	Carried to Collection				
	Bill No. 2				
	Demolitions				

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	Allow for any costs for the cleaning of the site, including the roof structure from any traces of asbestos dust or debris.				
2.1.1	4 Classroom, 1 Principal's Office and Storeroom	m <sup>2</sup>	275		
2.1.2	2 Classroom and 1 School Hall	m <sup>2</sup>	275		
2.1.3	1 Tuck Shop and 1 Store room	m <sup>2</sup>	32		
2.1.4	1 Kitchen and 1 Storeroom	m <sup>2</sup>	20		
2.1.5	Ablution Block 3 (2 Male)	m <sup>2</sup>	30		
2.1.6	Ablution Block 4 (4 Male)	m <sup>2</sup>	30		
2.1.7	VIP Toilets (2 Seats)	m <sup>2</sup>	30		
2.1.8	VIP Toilets (3 Teachers 1 Disabled)	m <sup>2</sup>	30		
<b>2.2</b>	<b>Demolish existing ablution facilities including desludging, filling up holes and compaction of holes, make good and plant grass</b>				
2.2.1	Toilet block overall size 6.796m long X 2.991m wide X 2.100m high	Item	1		
2.2.2	Toilet block overall size 2.729m long X 1.571m wide X 2.100m high	Item	1		
<b>2.3</b>	<b>Removal of perimeter fencing</b>				
2.3.1	Completely remove existing wire mesh fencing and prepare surfaces to receive new	m	381		
Carried to Collection					
Bill No. 2					
Demolitions					

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

Item	Description	Unit	Qty	Rate	Amount
3	<b>SECTION 3</b>				
	<b>BLOCK 1 : 4 CLASSROOMS, 1 PRINCIPAL OFFICE AND STORE ROOM</b>				
3.1	<b>ALTERATIONS</b>				
	<b>Repairs to cracked walls.</b>				
3.1.1	One brick walls.  Breaking down and removing concrete, etc	m <sup>2</sup>	3		
3.1.2	Surface bed approximately 80mm thick (verandas, external steps, etc) and prepare surface to receive new.	m <sup>3</sup>	37		
3.1.3	Tank stand  REMOVAL OF EXISTING WORK  Taking out and removing doors, windows, etc from brickwork and making good surfaces to receive new	m <sup>3</sup>	9		
3.1.4	Timber door 813 x 2032mm high  Taking out and removing joinery fittings etc and making good to surfaces to receive new.	No	5		
3.1.5	Fascia boards	m	90		
3.1.6	Barge boards.	m	30		
3.1.7	Roof gutters	m	90		
3.1.8	Downpipes  Taking out and removing ironmongery	m	12		
3.1.9	Mortice lock and striking plate from timber door and steel frame	No	2		
3.1.10	Stays, latches, handles, etc from window steel frame  PREPARATORY WORK TO EXISTING SURFACES	No	6		
A.1.12	Chipping of screed in floors to receive new screed.	m <sup>2</sup>	230		
A.1.13	Cleaning internal walls to receive paint.	m <sup>2</sup>	380		
A.1.14	Cleaning external walls to receive paint.	m <sup>2</sup>	234		
A.1.15	Hack off existing plaster and make good to receive new.	m <sup>2</sup>	614		
A.1.16	Cleaning and removing broken glazing, putty and paint to window frames	m <sup>2</sup>	48		
	Carried to Collection				
	<b>SECTION 3</b>				
	<b>Block 1: 4 Classrooms, 1 Principal's Office and Store Room: 3-1 Alterations</b>				

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

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REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

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REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

Item	Description	Unit	Qty	Rate	Amount
3.5	<b>ROOF COVERINGS ETC</b>  <b>ROOF SHEETING AND ACCESSORIES</b>  <b>Saflok 700 AZ150 G550 interlocking roof sheeting with Z275 to both sides, on sisalation, fixed to timber intermediate purlins (purlins as per manufacturer's spec, taking into account windloads) secured with saflok 700 clips screw fixed to purlins as per manufacturer's recommendations and specifications.</b>				
3.5.1	Roof covering with 15 degree pitch, in transportable lengths not exceeding 20m. The description includes all related items.	m <sup>2</sup>	275		
3.5.2	AG 150 G550 ridge capping with broad flute closures to suit roof profile with pre-painted factory finish.	m	35		
3.5.3	Narrow and broad flute closers	m	35		
3.5.4	Moulded narrow and broad rib polyethylene filler blocks	m	35		
	<b>ROOF AND WALL INSULATION</b>  <b>Sisalation 420 or equal and approved heavy industrial grade aluminium foil based insulation</b>				
3.5.5	Insulation laid taut over purlins (at approximately 1,80m centres) and fixed concurrent with roof covering, including taped laps and nylon straining wires	m <sup>2</sup>	275		
	Carried to Collection				
	SECTION 3				
	Block 1: 4 Classrooms, 1 Principal's Office and Store Room: 3.5 - Roof Coverings				

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

Item	Description	Unit	Qty	Rate	Amount
3.6	CARPENTRY AND JOINERY				
	Sawn softwood				
3.6.1	38 x 114mm Wall plates		82		
3.6.2	50 x 76mm Purlins exceeding 6.6 m in length, to manufacturer's specification		210		
	Sundries				
3.6.3	Two coats ABE Provinite on wrought timbers	m <sup>2</sup>	105		
3.6.4	Teco two way hurricane clips secured to purlins and trusses at every intersection externally and internally galvanised wire is to be used	No	176		
	PREFABRICATED TIMBER ROOF TRUSSES, ETC				
3.6.5	Double pitched prefabricated plate nailed roof truss spanning approximately 6.949m and 1689mm high, truss to be hoisted and fixed as per manufacture's details.The description includes all related items	No	36		
	EAVES, VERGES, ETC				
	Everite medium density plain nutec-cement				
3.6.6	12 x 225mm Medium density fibre-cement fascia boards (Product No.041-202) with aluminium H-profile fascia joiners (Product No. 685-195), drill for and fix with hot-dip galvanised drive screws and washers	m	76		
3.6.7	80 x 200mm Socketless barge boards (Product No.721-800) with aluminium H-profile barge board joiners (Product No. 685-187), drill for and fix with hot-dip galvanised screws and washers	m	9		
	SKIRTINGS				
	Wrought meranti				
3.6.8	19 x 75mm Skirtings including 19mm quadrant bead plugged	m	108		
	DOORS, ETC				
	Wrought meranti doors hung to steel frame, etc				
3.6.9	44mm Framed batten door 813 x 2032m high, as per Architect's Specification	No	5		
	Carried to Collection				
	SECTION 3				
	Block 1: 4 Classrooms, 1 Principal's Office and Store Room: 3.6 - Carpentry and Joinery				

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

Item	Description	Unit	Qty	Rate	Amount
<b>3.7</b>	<b>IRONMONGERY</b>				
	<b>HINGES, BOLTS, ETC</b>				
3.7.1	Three lever mortice lockset and satin chrome plated handles Solid Art 390/313	No	5		
3.7.2	Stays, latches, handles, hinges, etc to existing window frames	No	24		
	<b>LETTERS, NAMEPLATES, ETC</b>				
	<b>200 x 30mm High signs with 15mm high letters and numerals fixed with two self-tapping screws to steel and reading as follows:-</b>				
3.7.3	50mm High plastic letter or numeral	No	5		
3.7.4	38mm Diameter rubber door stop plugged and screwed to floor with a 50mm long brass screw	No	5		
Carried to Collection					
SECTION 3					
Block 1: 4 Classrooms, 1 Principal's Office and Store Room: 3.7 - Ironmongery					



REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

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REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
<b>3.9</b>	<b>PLUMBING AND DRAINAGE</b>				
	<b>RAINWATER DISPOSAL</b>				
	<b>Seamless Aluminium</b>				
3.9.1	155 x 100 x 115mm ogee gutter with baked enamel finish fixed with concealed brackets (all to supplies spec).	m	76		
3.9.2	100 x 75 mm fluted downpipes with baked enamel finish as per supplier's details	m	23		
3.9.3	Extra for angle	No	2		
3.9.4	Extra for stop end	No	2		
3.9.5	Extra for outlet for 100mm pipe	No	2		
3.9.6	Extra for eaves or plinth offset	No	2		
	<b>FIRE APPLIANCES ETC</b>				
	<b>Chubb</b>				
3.9.7	4,5kg Carbon dioxide fire extinguisher	No	1		
	<b>TANKS</b>				
	<b>Jojo Polyproline water tank</b>				
3.9.8	5000 litre Polyproline 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 vernim-proof vent, and including 1.6 x 50mm galvanised hoop iron or other approved holding down material secured around pedestal complete including pedestal, including concrete, brickwork for stand as per engineer's or Architect's drawings.	No	2		
Carried to Collection					
SECTION 3					
Block 1: 4 Classrooms, 1 Principal's Office and Store Room: 3.9 - Plumbing and Drainage					

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

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REPAIRS AND RENOVATIONS  
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REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
<b>4.5</b>	<b>CEILINGS, PARTITIONS AND ACCESS FLOORING</b>				
	<b>Glasswool insulation</b>				
4.5.1	76mm Insulation blanket closely fitted and laid on top of brandering between roof timbers, etc	m <sup>2</sup>	202		
	<b>NAILED UP CEILINGS</b>				
	<b>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</b>				
4.5.2	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at maximum 400mm centres in one direction only to trusses (elsewhere measured).	m <sup>2</sup>	202		
4.5.3	Extra over ceiling for 900 x 900mm trap door of 6mm wrought softwood rebated framing with one 50 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	2		
	<b>DECORATIVE MOULDINGS AND CORNICES</b>				
4.5.4	75mm Coved cornices	m	101		
Carried to Collection					
SECTION 4					
Block 2: 2 Classrooms and 1 School Hall - 4.5 - Ceilings, Partitions and Access Flooring					

REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
<b>4.6</b>	<b>IRONMONGERY</b>				
	<b>HINGES, BOLTS, ETC</b>				
4.6.1	Three lever mortice lockset and satin chrome plated handles Solid Art 390/313	No	5		
4.6.2	Stays, latches, handles, hinges, etc to existing window frames	No	18		
	<b>LETTERS, NAMEPLATES, ETC</b>				
	<b>200 x 30mm High signs with 15mm high letters and numerals fixed with two self-tapping screws to steel and reading as follows:-</b>				
4.6.3	50mm High plastic letter or numeral	No	4		
4.6.4	38mm Diameter rubber door stop plugged and screwed to floor with a 50mm long brass screw	No	4		
Carried to Collection					
SECTION 4					
Block 2: 2 Classrooms and 1 School Hall - 4.6 - Ironmongery					

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

Item	Description	Unit	Qty	Rate	Amount
<b>4.7</b>	<b>PLASTERING</b>				
	<b>SCREEDS</b>				
	<b>Screeds on concrete</b>				
4.7.1	23mm Thick on floors and landings	m <sup>2</sup>	202		
	<b>INTERNAL PLASTER</b>				
	<b>Cement plaster on brickwork</b>				
4.7.2	On walls in patches and repairing cracks	m <sup>2</sup>	290		
4.7.3	On narrow widths	m <sup>2</sup>	2		
	<b>SPECIALIST FLOOR AND WALL COATINGS</b>				
	<b>Prime surfaces and apply two coats 'Flowcrete Flowcoat Quartz' or other approved non-slip self levelling epoxy floor finish with anti-microbial additive having finished thickness of 3mm on</b>				
	<b>The rate to include for :</b>				
	- All specialist plant, labour and materials for executing the works under this item				
	- Preparation of the surface by means of diamond grinding				
	- Priming the surface with Abecote Primer at 4m <sup>2</sup> per litre				
	- Application of Abecote 400 Hi-Build epoxy resin at 2mm with a non-slip finish using notched trowels				
	- Re-cutting and sealing expansion joints				
4.7.4	Granolithic paved floors and skirtings	m <sup>2</sup>	202		
Carried to Collection					
<b>SECTION 4</b>					
Block 2: 2 Classrooms and 1 School Hall - 4.7 - Plastering					

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]



Item	Description	Unit	Qty	Rate	Amount
<b>4.8</b>	<b>PLUMBING AND DRAINAGE</b>				
	<b>RAINWATER DISPOSAL</b>				
	<b>Seamless Aluminium</b>				
4.8.1	155 x 100 x 115mm ogee gutter with baked enamel finish fixed with concealed brackets (all to supplies spec).	m	64		
4.8.2	100 x 75 mm fluted downpipes with baked enamel finish as per supplier's details	m	9		
4.8.3	Extra for angle	No	2		
4.8.4	Extra for stop end	No	2		
4.8.5	Extra for outlet for 100mm pipe	No	2		
4.8.6	Extra for eaves or plinth offset	No	2		
	<b>FIRE APPLIANCES ETC</b>				
	<b>Chubb</b>				
4.8.7	4,5kg Carbon dioxide fire extinguisher	No	1		
	<b>TANKS</b>				
	<b>JoJo Polyproline water tank</b>				
4.8.8	5000 litre Polyproline 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, and including 1.6 x 50mm galvanised hoop iron or other approved holding down material secured around pedestal complete including pedestal, including concrete, brickwork for stand as per engineer's or Architect's drawings.	No	1		
Carried to Collection					
SECTION 4					
Block 2: 2 Classrooms and 1 School Hall - 4.8 - Plumbing and Drainage					

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REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
4.9	GLAZING GLAZING TO STEEL WITH PUTTY 4mm Anodised				
4.9.1	Panes exceeding 0,5m² and not exceeding 2m²	m²	18		
Carried to Collection					
SECTION 4					
Block 2: 2 Classrooms and 1 School Hall - 4.9 - Glazing					

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

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REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
<b>SECTION 4</b>					
<b>Block 2: 2 Classrooms and 1 School Hall Summary</b>		Page			
1	Alterations	52			
2	Masonry	54			
3	Roof Coverings	56			
4	Carpentry and Joinery	58			
5	Ceilings, Partitions & Access Flooring	60			
6	Ironmongery	62			
7	Plastering	64			
8	Plumbing and Drainage	66			
9	Glazing	68			
10	Painting	70			
Carried to Final Summary					
<b>SECTION 4</b>					
Block 2: 2 Classrooms and 1 School Hall					

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REPAIRS AND RENOVATIONS  
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REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

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REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

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REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

Item	Description	Unit	Qty	Rate	Amount
5.5	ROOF COVERINGS ETC  ROOF SHEETING AND ACCESSORIES  Saflock 700 AZ150 G550 interlocking roof sheeting with Z275 to both sides, on sisalation, fixed to timber intermediate purlins (purlins as per manufacturer's spec, taking into account windloads) secured with saflok 700 clips screw fixed to purlins as per manufacturer's recommendations and specifications.				
5.5.1	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m. The description includes all related items.	m <sup>2</sup>	32		
5.5.2	AG 150 G550 ridge capping with broad flute closures to suit roof profile with pre-painted factory finish.	m	8		
5.5.3	Narrow and broad flute closers	m	16		
5.5.4	Moulded narrow and broad rib polyethylene filler blocks	m	16		
	ROOF AND WALL INSULATION  Sisalation 420 or equal and approved heavy industrial grade aluminium foil based insulation				
5.5.5	Insulation laid taut over purlins (at approximately 1,80m centres) and fixed concurrent with roof covering, including taped laps and nylon straining wires	m <sup>2</sup>	32		
	Carried to Collection				
	SECTION 5				
	Block 3: 1 Tuckshop and 1 Store Room: 5.5 -Roof Coverings				



REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

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Item	Description	Unit	Qty	Rate	Amount
<b>5.7</b>	<b>CEILINGS, PARTITIONS AND ACCESS FLOORING</b>				
	<b>Glasswool insulation</b>				
5.7.1	76mm Insulation blanket closely fitted and laid on top of brandering between roof timbers, etc	m <sup>2</sup>	32		
	<b>NAILED UP CEILINGS</b>				
	<b>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</b>				
5.7.2	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at maximum 400mm centres in one direction only to trusses ( elsewhere measured).	m <sup>2</sup>	29		
5.7.3	Extra over ceiling for 900 x 900mm trap door of 6mm wrought softwood rebated framing with one 50 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1		
	<b>DECORATIVE MOULDINGS AND CORNICES</b>				
5.7.4	75mm Coved cornices	m	31		
Carried to Collection					
SECTION 5					
Block 3: 1 Tuckshop and 1 Store Room: 5.7 - Ceilings, Partitions and Access Flooring					

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Item	Description	Unit	Qty	Rate	Amount
<b>5.8</b>	<b>IRONMONGERY</b>				
	<b>HINGES, BOLTS, ETC</b>				
5.8.1	Three lever mortice lockset and satin chrome plated handles Solid Art 390/313	No	2		
5.8.2	Stays, latches, handles, hinges, etc to existing window frames	No	2		
	<b>LETTERS, NAMEPLATES, ETC</b>				
	<b>200 x 30mm High signs with 15mm high letters and numerals fixed with two self-tapping screws to steel and reading as follows:-</b>				
5.8.3	50mm High plastic letter or numeral	No	2		
5.8.4	38mm Diameter rubber door stop plugged and screwed to floor with a 50mm long brass screw	No	2		
Carried to Collection					
SECTION 5					
Block 3: 1 Tuckshop and 1 Store Room: 5.8 - Ironmongery					

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

Item	Description	Unit	Qty	Rate	Amount
<b>5.9</b>	<b>PLASTERING</b>				
	<b>SCREEDS</b>				
	<b>Screeds on concrete</b>				
5.9.1	23mm Thick on floors and landings	m <sup>2</sup>	32		
	<b>INTERNAL PLASTER</b>				
	<b>Cement plaster on brickwork</b>				
5.9.2	On walls in patches and repairing cracks	m <sup>2</sup>	74		
	<b>EXTERNAL PLASTER</b>				
	<b>Cement plaster on brickwork</b>				
5.9.3	On walls in patches and repairing cracks	m <sup>2</sup>	62		
	<b>SPECIALIST FLOOR AND WALL COATINGS</b>				
	<b>Prime surfaces and apply two coats 'Flowcrete Flowcoat Quartz' or other approved non-slip self levelling epoxy floor finish with anti-microbial additive having finished thickness of 3mm on</b>				
	<b>The rate to include for :</b>				
	- All specialist plant, labour and materials for executing the works under this item				
	- Preparation of the surface by means of diamond grinding				
	- Priming the surface with Abecote Primer at 4m <sup>2</sup> per litre				
	- Application of Abecote 400 Hi-Build epoxy resin at 2mm with a non-slip finish using notched trowels				
	- Re-cutting and sealing expansion joints				
5.9.4	Granolithic paved floors and skirtings	m <sup>2</sup>	32		
Carried to Collection					
<b>SECTION 5</b>					
Block 3: 1 Tuckshop and 1 Store Room: 5.9 - Plastering					



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Item	Description	Unit	Qty	Rate	Amount
<b>5.10</b>	<b>PLUMBING AND DRAINAGE</b>				
	<b>RAINWATER DISPOSAL</b>				
	<b>Seamless Aluminium</b>				
5.10.1	155 x 100 x 115mm ogee gutter with baked enamel finish fixed with concealed brackets (all to supplies spec).	m	16		
5.10.2	100 x 75 mm fluted downpipes with baked enamel finish as per supplier's details	m	5		
5.10.3	Extra for angle	No	2		
5.10.4	Extra for stop end	No	2		
5.10.5	Extra for outlet for 100mm pipe	No	2		
5.10.6	Extra for eaves or plinth offset	No	2		
	<b>FIRE APPLIANCES ETC</b>				
	<b>Chubb</b>				
5.10.7	4,5kg Carbon dioxide fire extinguisher	No	1		
	<b>TANKS</b>				
	<b>JoJo Polyproline water tank</b>				
5.10.8	5000 litre Polyproline 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, and including 1.6 x 50mm galvanised hoop iron or other approved holding down material secured around pedestal complete including pedestal, including concrete, brickwork for stand as per engineer's or Architect's drawings.	No	1		
Carried to Collection					
SECTION 5					
Block 3: 1 Tuckshop and 1 Store Room: 5.10 - Plumbing and Drainage					

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
5.11	<b>GLAZING</b>				
	<b>GLAZING TO STEEL WITH PUTTY</b>				
	<b>4mm Anodised</b>				
5.11.1	Panes exceeding 0,5m² and not exceeding 2m²	m²	2		
Carried to Collection					
SECTION 5					
Block 3: 1 Tuckshop and 1 Store Room: 5.11 - Glazing					

REPAIRS AND RENOVATIONS  
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REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
<b>6.7</b>	<b>CEILINGS, PARTITIONS AND ACCESS FLOORING</b>				
	<b>Glasswool insulation</b>				
6.7.1	76mm Insulation blanket closely fitted and laid on top of brandering between roof timbers, etc	m <sup>2</sup>	14		
	<b>NAILED UP CEILINGS</b>				
	<b>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</b>				
6.7.2	Horizontal ceilings, including 38 x 38mm sawn softwood brandering at maximum 400mm centres in one direction only to trusses ( elsewhere measured).	m <sup>2</sup>	14		
6.7.3	Extra over ceiling for 900 x 900mm trap door of 6mm wrought softwood rebated framing with one 50 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1		
	<b>DECORATIVE MOULDINGS AND CORNICES</b>				
6.7.4	75mm Coved cornices	m	22		
Carried to Collection					
SECTION 6					
Block 4: Kitchen and Store Room: 6.7 - Ceilings, Partitions and Access Flooring					

REPAIRS AND RENOVATIONS  
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REPAIRS AND RENOVATIONS  
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REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

Item	Description	Unit	Qty	Rate	Amount
<b>6.10</b>	<b>PLUMBING AND DRAINAGE</b>				
	<b>RAINWATER DISPOSAL</b>				
	<b>Seamless Aluminium</b>				
6.10.1	155 x 100 x 115mm ogee gutter with baked enamel finish fixed with concealed brackets (all to supplies spec).	m	9		
6.10.2	100 x 75 mm fluted downpipes with baked enamel finish as per supplier's details	m	5		
6.10.3	Extra for angle	No	2		
6.10.4	Extra for stop end	No	2		
6.10.5	Extra for outlet for 100mm pipe	No	2		
6.10.6	Extra for eaves or plinth offset	No	2		
	<b>FIRE APPLIANCES ETC</b>				
	<b>Chubb</b>				
6.10.7	4,5kg Carbon dioxide fire extinguisher	No	1		
	<b>TANKS</b>				
	<b>JoJo Polyproline water tank</b>				
6.10.8	5000 litre Polyproline 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, and including 1.6 x 50mm galvanised hoop iron or other approved holding down material secured around pedestal complete including pedestal, including concrete, brickwork for stand as per engineer's or Architect's drawings.	No	1		
Carried to Collection					
SECTION 6					
Block 4: Kitchen and Store Room: 6.10 - Plumbing and Drainage					

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REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
6.11	<b>GLAZING</b>				
	<b>GLAZING TO STEEL WITH PUTTY</b>				
	<b>4mm Anodised</b>				
6.11.1	Panes exceeding 0,5m² and not exceeding 2m²	m²	2		
Carried to Collection					
SECTION 6					
Block 4: Kitchen and Store Room: 6.11 - Glazing					

REPAIRS AND RENOVATIONS  
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REPAIRS AND RENOVATIONS  
CELOKHULE PRIMARY SCHOOL[illegible]

Item	Description	Unit	Qty	Rate	Amount
7.6	<b>PLUMBING AND DRAINAGE</b>				
	<b>RAINWATER DISPOSAL</b>				
	<b>Seamless Aluminium</b>				
7.6.1	155 x 100 x 115mm ogee gutter with baked enamel finish fixed with concealed brackets (all to supplies spec).	m	9		
7.6.2	100 x 75 mm fluted downpipes with baked enamel finish as per supplier's details	m	5		
7.6.3	Extra for angle	No	2		
7.6.4	Extra for stop end	No	2		
7.6.5	Extra for outlet for 100mm pipe	No	2		
7.6.6	Extra for eaves or plinth offset	No	2		
	<b>FIRE APPLIANCES ETC</b>				
7.6.7	4,5kg Carbon dioxide fire extinguisher	No	1		
	<b>SANITARY FITTINGS</b>				
	<b>Vaal' or other approved</b>				
7.6.8	VIP pedestal with intgrated flange bolted over opening in precast slab	No	2		
7.6.9	Wash hand basin size 520 x 432 x 150mm deep	No	1		
	<b>Vent Pipe</b>				
7.6.10	Vent pipe as per Architect's Specification,including forming opening through the concrete slab.	No	2		
	<b>Sanitary fittings Sundries</b>				
7.6.11	450 x 600mm mirror	No	1		
7.6.12	Soap dish	No	1		
	<b>TRAPS etc</b>				
	<b>Butyl rubber</b>				
7.6.13	32 x 40mm ' P or S ' trap jointed to waste outlet fittings and uPVC pipes including clamps, etc	No	2		
	<b>TANKS</b>				
	<b>JoJo Polyproline water tank</b>				
7.6.14	5000 litre Polyproline 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, and including 1.6 x 50mm galvanised hoop iron or other approved holding down material secured around pedestal complete including pedestal, including concrete, brickwork for stand as per engineer's or Architect's drawings.	No	1		
	Carried to Collection				
	SECTION 7				
	Ablution Block 3: 7.6 - Plumbing and Drainage				

REPAIRS AND RENOVATIONS  
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REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
7.7	GLAZING  GLAZING TO STEEL WITH PUTTY  4mm Anodised				
7.7.1	Panes exceeding 0,5m² and not exceeding 2m²	m²	1		
Carried to Collection					
SECTION 7 Ablution Block 3: 7.7 - Glazing					

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REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
<b>8.6</b>	<b>PLUMBING AND DRAINAGE</b>				
	<b>RAINWATER DISPOSAL</b>				
	<b>Seamless Aluminium</b>				
8.6.1	155 x 100 x 115mm ogee gutter with baked enamel finish fixed with concealed brackets (all to supplies spec).	m	10		
8.6.2	100 x 75 mm fluted downpipes with baked enamel finish as per supplier's details	m	5		
8.6.3	Extra for angle	No	2		
8.6.4	Extra for stop end	No	2		
8.6.5	Extra for outlet for 100mm pipe	No	2		
8.6.6	Extra for eaves or plinth offset	No	2		
	<b>FIRE APPLIANCES ETC</b>				
8.6.7	4,5kg Carbon dioxide fire extinguisher	No	1		
	<b>SANITARY FITTINGS</b>				
	<b>Vaal' or other approved</b>				
8.6.8	VIP pedestal with integrated flange bolted over opening in precast slab	No	4		
8.6.9	Wash hand basin size 520 x 432 x 150mm deep	No	2		
	<b>Vent Pipe</b>				
8.6.10	Vent pipe as per Architect's Specification, including forming opening through the concrete slab.	No	4		
	<b>Sanitary fittings Sundries</b>				
8.6.11	450 x 600mm mirror	No	2		
8.6.12	Soap dish	No	2		
	<b>TRAPS etc</b>				
	<b>Butyl rubber</b>				
8.6.13	32 x 40mm ' P or S ' trap jointed to waste outlet fittings and uPVC pipes including clamps, etc	No	2		
	<b>TANKS</b>				
	<b>JoJo Polyproline water tank</b>				
8.6.14	5000 litre Polyproline 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, and including 1.6 x 50mm galvanised hoop iron or other approved holding down material secured around pedestal complete including pedestal, including concrete, brickwork for stand as per engineer's or Architect's drawings.	No	1		
	Carried to Collection				
	<b>SECTION 8</b>				
	Ablution Block 4: 8.6 - Plumbing and Drainage				

REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
	<b>Risk of collapse of excavations</b>				
9.1.15	Sides of trench and hole excavations not exceeding 1,5m deep	m <sup>2</sup>	59		
9.1.16	Sides of trench and hole excavations exceeding 1,5m deep	m <sup>2</sup>	20.00		
	<b>Keeping excavations free of water</b>				
9.1.17	Keeping excavations free of all water other than subterranean water	Item	1		
	<b>FILLING ETC</b>				
	<b>Selected earth filling from the excavations deposited in layers not exceeding 150mm thick after compaction and compacted to a density of 95% Modified AASHTO maximum density</b>				
	<b>Backfilling to trenches, holes, etc</b>				
9.1.18	Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density	m <sup>3</sup>	17		
9.1.19	Under floors, steps, pavings, etc	m <sup>3</sup>	9		
	<b>Coarse river sand filling compacted to a density of at least 95% Mod. AASHTO density</b>				
9.1.20	Under floors etc	m <sup>3</sup>	29		
	<b>Compaction of surfaces</b>				
9.1.21	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m <sup>2</sup>	79		
	<b>Prescribed density tests on filling</b>				
9.1.22	Allow for the execution of all prescribed density tests on filling, etc., as pointed out by the Principal Agent on site	No	6		
	<b>SOIL POISONING</b>				
	<b>Soil insecticide</b>				
	<b>Soil Poisoning: Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming</b>				
9.1.23	To ground under solid floors	m <sup>2</sup>	79		
9.1.24	To bottoms and sides of trenches etc	m <sup>2</sup>	51		
	<b>CONCRETE, FORMWORK AND REINFORCEMENT</b>				
	<b>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
	<b>15MPa/19mm concrete</b>				
9.1.25	Surface blinding under footings and bases	m <sup>3</sup>	2		
	<b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
	<b>25MPa/20mm concrete</b>				
9.1.26	25 Mpa: Strip footings	m <sup>3</sup>	9		
	Carried to Collection				
	<b>SECTION 9</b>				
	New Ablution Blocks A,B,C: 9.1 - Foundations				

Item	Description	Unit	Qty	Rate	Amount
	<b>TEST BLOCKS</b>				
9.1.27	Making and testing of three 150 x 150 x 150mm concrete strength test cubes	No	6		
	<b>FORMWORK</b>				
	<b>Rough formwork to sides</b>				
9.1.28	Edges of foundation steppings not exceeding 300mm high	m	39		
	<b>REINFORCEMENT (PROVISIONAL) (CPAP Work Group 114)</b>				
	<b>Mild steel reinforcement to structural concrete work</b>				
9.1.29	6mm Diameter bars to foundations, etc.,	t	1		
9.1.30	8mm Diameter bars to foundations, etc.,	t	1		
9.1.31	10mm Diameter bars to foundations, etc.,	t	1		
	<b>High tensile steel reinforcement to structural concrete work</b>				
9.1.32	12mm Diameter bars	t	1		
	<b>BRICKWORK</b>				
	<b>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar including galvanised crimp wire wall ties ( 7 per m2 laid staggered)</b>				
9.1.33	Half brick walls	m <sup>2</sup>	14		
9.1.34	One brick walls	m <sup>2</sup>	25		
9.1.35	One brick wall of two skins in stretcher bond (no wire ties)	m <sup>2</sup>	19		
	<b>BRICKWORK SUNDRIES</b>				
	<b>Brickwork reinforcement</b>				
9.1.36	110mm Wide reinforcement built in horizontally to every course of brick walls	m	41		
9.1.37	220mm Wide reinforcement built in horizontally ditto	m	127		
	<b>FACE BRICKWORK</b>				
	<b>Corobrik FBA face bricks pointed with recessed horizontal and vertical joints</b>				
9.1.38	Extra over brickwork for face brickwork	m <sup>2</sup>	13		
	<b>WATERPROOFING</b>				
	<b>One layer of 1000 micron 'Consol Plastics Hyperlastic Orange' or other approved waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape'</b>				
9.1.39	Vertically to brick walls	m <sup>2</sup>	17		
	<b>Prepare and apply two coats heavy quality bituminous solution in strict accordance with the manufacturers specifications on</b>				
9.1.40	Brick walls inside tank	m <sup>2</sup>	79		
	Carried to Collection				
	SECTION 9				
	New Ablution Blocks A.B.C: 9.1 - Foundations				

REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
	<b>Bill No. 2</b>				
<b>9.2</b>	<b>CONCRETE, FORMWORK AND REINFORCEMENT</b>				
	<b>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
	<b>20Mpa/19mm concrete</b>				
9.2.1	Concrete aprons cast in panels, laid to fall in 1:200, with control joints filled with polysulphide sealant, every 3000mm centres	m <sup>3</sup>	2.00		
	<b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
	<b>30MPa/19mm concrete</b>				
9.2.2	Surface bed laid in panels	m <sup>3</sup>	13.00		
9.2.3	Topping to hollow block lintels laid in panels	m <sup>3</sup>	3.00		
9.2.4	Ramps	m <sup>3</sup>	1.00		
9.2.5	Co-polymer columns	m <sup>3</sup>	3.00		
	<b>TEST BLOCKS</b>				
9.2.6	Making and testing of three 150 x 150 x 150mm concrete strength test cubes	No	6.00		
	<b>CONCRETE SUNDRIES</b>				
	<b>Finishing top surfaces of concrete to a Class U2 wood float finish</b>				
9.2.7	Surface beds, slabs, etc	m <sup>2</sup>	62.00		
9.2.8	Pavings	m <sup>2</sup>	56.00		
9.2.9	Ramps to falls	m <sup>2</sup>	1.00		
	<b>FORMWORK</b>				
9.2.10	Rough formwork to sides	m	18.00		
9.2.11	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	39.00		
	<b>PERMANENT FORMWORK</b>				
	<b>6mm 'Everite Nutec' or other approved fibre reinforced cement cellulose sheeting, closely butt jointed at sides and ends with all joints covered with and including wire scrim strips, 63mm wide as supplied by the manufacturers of the sheeting in:</b>				
9.2.12	Soffit of slab not exceeding 250mm thick	m <sup>2</sup>	17.00		
	<b>Resocrete' or other approved co-polymer concrete column formers</b>				
9.2.13	250mm Diameter co-polymer building column 2125mm high	No	3.00		
	<b>MOVEMENT JOINTS ETC</b>				
	<b>Expansion joints with softboard between vertical concrete surfaces</b>				
9.2.14	15mm Joints not exceeding 300mm high or wide	m	8.00		
	<b>Expansion joints with bitumen-impregnated softboard between vertical concrete and brickwork surfaces</b>				
9.2.15	10mm Isolation Joints not exceeding 300mm high or wide	m	20.00		
	Carried to Collection				
	<b>SECTION 9</b>				
	New Ablution Blocks A,B,C: 9.2 -Concrete, Formwork and Reinforcement				



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REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
	<b>Bill No. 4</b>				
9.4	<b>MASONRY</b>				
	<b>SUPERSTRUCTURE</b>				
	<b>Brickwork of NFP bricks in class II mortar including galvanised crimp wire wall ties (7 per m² laid staggered)</b>				
9.4.1	Half brick walls	m²	72.00		
9.4.2	Half brick walls in beamfilling	m²	17.00		
9.4.3	One brick wall of twohalf brick skins in stretcher bond (no wire ties)	m²	17.00		
9.4.4	One brick wall in stretcher bond above wall plate level inside roof space	m²	17.00		
9.4.5	One brick wall of two half brick skins in stretcher bond bagged and sealed(no wire ties)	m²	134.00		
	<b>BRICKWORK SUNDRIES</b>				
	<b>Brickwork reinforcement</b>				
9.4.6	110mm Wide reinforcement built in horizontally	m	257.00		
9.4.7	220mm Wide reinforcement built in horizontally	m	484.00		
	<b>Turning pieces</b>				
9.4.8	150mm Wide turning piece to lintels etc	m	9.00		
	<b>Galvanised hoop iron cramps, ties, etc</b>				
9.4.9	1,2 x 25mm Galvanised iron articulation anchor 665mm girth bent once in centre and built into brickwork at 425mm centres vertically	No	44.00		
9.4.10	2 x 38mm Galvanised hoop iron roof truss anchor 1620mm girth with one end bent around timber roof truss and spiked to timber wall plate and the other end wrapped around and including 10mm diameter mild steel rod 150mm long and built six courses deep into top of brick wall in cement mortar	No	18.00		
	<b>Air bricks etc</b>				
9.4.11	229 x 152mm Terra-cotta vermin proof air brick	No	12.00		
	<b>Turning pieces, etc., (use and waste) including propping, struts, etc.,</b>				
9.4.12	To soffit of flat brick lintel 110mm wide	m	9.00		
9.4.13	To soffit of flat brick lintel 220mm wide	m	9.00		
	<b>FACE BRICKWORK</b>				
	<b>Corobrik FBA face bricks pointed with recessed horizontal and vertical joints</b>				
9.4.14	Extra over brickwork for face brickwork	m²	134.00		
9.4.15	Extra over brickwork for face brickwork in beamfilling	m²	17.00		
9.4.16	Extra over brickwork for brick-on-edge header course lintel	m²	6.00		
	Carried to Collection				
	<b>SECTION 9</b>				
	New Ablution Blocks A.B.C: 9.4 -Masonry				

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Item	Description	Unit	Qty	Rate	Amount
	<b>Bill No. 9</b>				
<b>9.9</b>	<b>IRONMONGERY</b>				
	<b>HINGES, BOLTS, ETC</b>				
9.9.1	100mm Galvanised steel loose-pin hinges welded in position as per architect's specification	No	24		
	<b>LOCKS</b>				
	<b>Union or other approved</b>				
9.9.2	Padlock	No	5		
9.9.3	Helping hand indicator bolt	No	1		
	<b>Solid</b>				
	<b>WC indicator bolt with keep tap screwed to pressed steel door frame</b>				
9.9.4	Sundries	No	7		
	<b>38mm Diameter rubber door stop plugged</b>				
	<b>PUSH PLATES AND KICKING PLATES</b>				
9.9.5	Push plates and kicking plates	No	5		
9.9.6	813 x 250 x 1,2mm Thick satin finished stainless steel kick plate screwed to timber door	No	5		
	<b>PARAPLEGIC RAILS</b>				
	<b>Chairman Industries or other equal approved stainless steel</b>				
9.9.7	32mm Outside diameter x 1,6mm thick tubular wall mounted side grab rail 1,06m girth with two 45 degree and two 90 degree formed bends and with each end fitted with 80mm diameter x 5mm thick flange welded on and four times countersunk holed for and plugged and screwed to wall with stainless steel screws.	No	1		
9.9.8	Ditto wall mounted around cistern back grab rail 1,23m girth with two 90 degree formed bends ditto	No	1		
	<b>BATHROOM FITTINGS</b>				
	<b>Stainless steel</b>				
9.9.9	Vandal proof toilet roll holder size 200mm long with two returned ends each 85mm long fitted with 30mm diameter removable roller pin plugged and screwed to brickwall	No	10		
	<b>LETTERS, NAMEPLATES, ETC</b>				
	<b>4mm Perspex signs painted white on back with letters and numerals reverse engraved and painted black</b>				
	<b>200 x 30mm High signs with 15mm high letters and numerals fixed with two self-tapping screws to steel</b>				
9.9.10	50mm High plastic letter or numeral	No	3		
9.9.11	Female symbol	No	2		
9.9.12	Male symbol	No	2		
9.9.13	Disabled symbol	No	1		
	Carried to Collection				
	<b>SECTION 9</b>				
	New Ablution Blocks A,B,C: 9.9 - Ironmongery				



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REPAIRS AND RENOVATIONS  
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Item	Description	Unit	Qty	Rate	Amount
	<b>Bill No. 13</b>				
<b>9.13</b>	<b>PLUMBING AND DRAINAGE</b>				
	<b>RAINWATER DISPOSAL</b>				
	<b>Seamless Aluminium</b>				
9.13.1	155 x 100 x 115mm ogee gutter with baked enamel finish fixed with concealed brackets (all to supplies spec).	m	17.00		
9.13.2	100 x 75 mm fluted downpipes with baked enamel finish as per supplier's details	m	15.00		
9.13.3	Extra for angle	No	6.00		
9.13.4	Extra for stop end	No	6.00		
9.13.5	Extra for outlet for 100mm pipe	No	6.00		
9.13.6	Extra for eaves or plinth offset	No	6.00		
	<b>SANITARY FITTINGS</b>				
	<b>Vaal' or other approved</b>				
9.13.7	Protea Paraplegic 7502 wc pan with double flap heavy duty plastic seat and code 710539 nine litre cistern including purpose made CP side flush lever	No	1.00		
9.13.8	Vaal Lavatera white vitreous china wall mounted top inlet urinal (code 704001) wall hung with hangers including 38mm chromium plated domical grating (code 8787Z0) and chromium plated top inlet spreader (code 7041Z0) and chromium plated	No	2.00		
9.13.9	VIP pedestal with integrated flange bolted over opening in precast slab	No	8.00		
9.13.10	Wash hand basin size 520 x 432 x 150mm deep	No	8.00		
	<b>Vent Pipe</b>				
9.13.11	Vent pipe as per Architect's Specification, including forming opening through the concrete slab.	No	11.00		
	<b>Sanitary fittings Sundries</b>				
9.13.12	Soap dish	No	8.00		
	<b>TRAPS etc</b>				
	<b>Butyl rubber</b>				
9.13.13	32 x 40mm ' P or S ' trap jointed to waste outlet fittings and uPVC pipes including clamps, etc	No	8.00		
	<b>TANKS</b>				
	<b>Jojo Polyproline water tank</b>				
9.13.14	5000 Litre Jo-Jo PVC water tank 1800mm diameter x 2040mm high, complete fixed onto and including tank base size 2400 x 2400mm overall comprising 150mm thick 20MPa reinforced concrete slab including 193 mesh with base slab laid on compacted ground 400mm thick, compacted to 96% Mod AASHTO complete with one brick side all round; 1m deep on unreinforced concrete strip footings with face brick to outer face of wall to match existing for a depth of 595mm	No	3.00		
	Carried to Collection				
	<b>SECTION 9</b>				
	New Ablution Blocks A,B,C: 9.13 - Plumbing and Drainage				



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Item	Description	Unit	Qty	Rate	Amount
<b>10.2</b>	<b>Walkways</b>				
	<b>Site clearance</b>				
10.2.1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m <sup>2</sup>	24		
10.2.2	Stripping average 100mm thick layer of top soil and stockpiling on site	m <sup>2</sup>	20		
	<b>EXCAVATIONS</b>				
	<b>Excavation in earth not exceeding 2m deep</b>				
10.2.3	Open face excavation to reduce levels	m <sup>3</sup>	6		
	<b>FILLING ETC</b>				
	<b>Selected earth filling from the excavations deposited in layers not exceeding 150mm thick after compaction and compacted to a density of 95% Modified AASHTO maximum density Mod AASHTO</b>				
10.2.4	Backfilling to excavations	m <sup>3</sup>	3		
	<b>Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density</b>				
10.2.5	Under concrete	m <sup>3</sup>	3		
	<b>Compaction of surfaces</b>				
10.2.5	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m <sup>2</sup>	20		
	<b>Prescribed density tests on filling</b>				
10.2.6	Allow for the execution of all prescribed density tests on filling, etc., as pointed out by the Principal Agent on site	No	2		
	<b>SOIL POISONING</b>				
	<b>Soil insecticide</b>				
	<b>Soil Poisoning: Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming</b>				
10.2.7	To ground under concrete	m <sup>2</sup>	20		
	<b>CONCRETE, FORMWORK AND REINFORCEMENT</b>				
	<b>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
	<b>15MPa/19mm concrete</b>				
10.2.8	Surface blinding under footings and bases	m <sup>3</sup>	1		
	<b>REINFORCED CONCRETE</b>				
	<b>20Mpa/19mm concrete</b>				
10.2.9	Concrete walkways cast in panels, laid to fall in 1:200, with control joints filled with polysulphide sealant, every 3000mm centres	m <sup>3</sup>	3		
	<b>TEST BLOCKS</b>				
10.2.10	Making and testing of six 150 x 150 x 150mm concrete strength test cubes	No	3		
	Carried to Collection				
	SECTION 10				
	External Works - Walkways				



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Item	Description	Unit	Qty	Rate	Amount
	<b>SECTION 11</b>				
<b>11</b>	<b>ELECTRICAL WORKS</b>				
	<b>SECTION 1 : LT DISTRIBUTION</b>				
	<b>DISTRIBUTION BOARDS AND ACCESSORIES</b>				
	Supply the following Distribution Boards complete with all switchgear, accessories as specified on the schematic layouts, all fitted in the factory and tested, including delivery to Site and off-loading but excluding cable terminations. Install and connect up, including earthing and conduit terminations but excluding cable terminations.				
11.1	Classroom Block DB (Prewired 12 Way - 3CR12)	No.	2		
11.2	Ablution Block DB (6 Way - 3CR12)	No.	1		
	<b>CABLES AND EARTH WIRE (PROVISIONAL)</b>				
	Rates to include for supply, delivery and installation via sleeves, cable tray or fixed to surface but excluding terminations, joints, cable trays or sleeves for 600/1000 Volts cables and earth wires:-				
	<b>PVC/PVC/SWA/ECC/PVC/ copper cables</b>				
11.3	6mm <sup>2</sup> 2 Core PVC ECC Copper Cable	m	75		
11.4	10mm <sup>2</sup> 2 Core PVC ECC Copper Cable	m	75		
	<b>CABLE TERMINATIONS</b>				
	Supply, delivery, installation and labour for making-off, terminating and connecting cables and earth wires including glands, shrouds, lugs and connections for the following cables and earth wires:-				
	<b>PVC/PVC/SWA/ECC/PVC/ copper cables</b>				
11.5	6mm <sup>2</sup> 2 Core PVC ECC Copper Cable	No.	2		
11.6	10mm <sup>2</sup> 2 Core PVC ECC Copper Cable	No.	2		
	<b>SUNDRIES</b>				
11.7	Draw Wire	m	900		
	<b>TEST AND COMMISSION</b>				
11.8	Test and Commission the complete installation in accordance with the Specifications and SANS Standards	Sum	1		
11.90	Issue a Certificate of Compliance (CoC) in accordance with the SANS 10142-1 (2006) requirements per DB.	Sum	2		
	<b>LIGHTNING PROTECTION AND EARTHING</b>				
11.10	Allow for the execution of a Soil Resistivity Survey for the site and for submitting a copy of the reports to the Engineer.	No	1		
11.11	Allow for the testing of the complete scheme, including lightning protection earth electrodes and the issuing of test certificates.	No	1		
11.12	50mm <sup>2</sup> PVC insulated for bonding down conductors to earth rods, etc. inclusive of lugs, ferrules, bolts, etc.	m	48		
11.13	Supply and install corrosion resistant stainless steel terminal for roof connection points and aluminium bond to take aluminium down conductor from roof terminals.	No	14		
	Carried to Collection				
	<b>SECTION 11</b>				
	<b>ELECTRICAL WORKS</b>				

Item	Description	Unit	Qty	Rate	Amount
11.14	Supply and Install ferrules and lugs for bonding of any metalwork to air terminal system.	No	40		
11.15	Supply and install 1.5m copper clad steel earth rods driven into the ground including jointing to copper bonding conductor.	No	16		
11.16	Supply and install test point connection in each down conductor COMPLETE with 132x82x55mm deep screw lid enclosure.	No	16		
11.17	Supply and Install 25mm pvc pipe	m	60		
11.18	Supply and Install 50mm aluminium conductor	m	60		
	<b>WIRING TRUNKING &amp; MESH TRAY</b>				
	<b>Supply and install 2 compartment P/Skirt complete with all fixings, separate covers and accessories. (EQUAL OR SIMILAR APPROVED TO BUFF DUCT OR LEGRANDE)</b>				
11.19	Supply and install Power skirting complete with all fixings, end caps, separate covers and accessories.	m	45		
	<b>Supply and install telephone and data outlets in power skirting including cover plates and all accessories.</b>				
11.2	Telephone outlet	No	2		
11.21	Data Outlet	No	2		
	<b>SECTION 2 : EXCAVATIONS AND SLEEVES</b>				
	<b>SLEEVES</b>				
	<b>Supply and install the following underground sleeves</b>				
11.22	110mm Diameter	m	100		
11.23	110mm Diameter slow radius bends	No	4		
11.24	50mm Diameter	m	30		
	<b>SECTION 3 : POWER - GENERAL PURPOSE OUTLETS AND LIGHTING</b>				
	<b>CONDUITS</b>				
	<b>Supply and install PVC conduit complete with all accessories including couplings, bending, fixings and waste fixed as specified.</b>				
11.25	20 mm - chased in brickwork	m	600		
11.26	20 mm - ceiling void	m	300		
11.27	25 mm - chased in brickwork	m	600		
11.28	50 mm - surface on brickwork (BOSAL)	m	50		
	<b>CONDUIT BOXES</b>				
	<b>Supply and install boxes complete with all accessories, including conduit terminations</b>				
11.29	60 mm round, 60 mm deep PVC box for 20 mm conduit fixed in soffit or brickwork or ceiling void	No	65		
11.3	100 x 50 x 50 mm galv. box, flush mounted in brickwork	No	18		
11.31	100 x 100 x 50 mm galv. box, flush mounted in brickwork	No	25		
	Carried to Collection				
	SECTION 11				
	ELECTRICAL WORKS				

Item	Description	Unit	Qty	Rate	Amount
<b>CONDUCTORS AND CABLES</b>					
<b>Supply and install PVC insulated copper conductors in required colours drawn into conduit or in trunking</b>					
11.32	1.5 mm <sup>2</sup> pvc conductor	m	1200		
11.33	1.5 mm <sup>2</sup> BCEW	m	600		
11.34	2.5 mm <sup>2</sup> pvc conductor	m	900		
11.35	2.5 mm <sup>2</sup> BCEW	m	450		
<b>LIGHT SWITCHES</b>					
<b>Flush mounted switch unit complete with cover plate and all accessories</b>					
11.36	16A, Single Lever, One Way	No	15		
11.37	Photocell poly-carbonate bulkhead	No	4		
<b>LIGHT FITTINGS</b>					
<b>Supply, deliver and store the following light fittings complete; inclusive of lamps (please refer to the Lightfitting Schedule for full specifications of the fittings):</b>					
11.38	20W LED Bulkhead IP55 (EQUAL OR SIMILAR APPROVED TO BEKA OR SWANLITE)	No	18		
11.39	GLS LFL-100W ECG	No	4		
11.4	GLS FC/R-235 TS ECG	No	30		
<b>SWITCHED SOCKET OUTLETS</b>					
11.41	Supply, install and connect switch socket outlets as specified including cover plates and all accessories 16 Amp double switched socket outlet installed flush on wall	No	25		
<b>ISOLATORS</b>					
<b>Supply and install isolators mounted as specified complete with cover plate and all accessories</b>					
11.42	20 Amp Single Pole isolators installed surface on wall in a weatherproof enclosure.	No	2		
11.43	40 Amp Single Pole isolators installed surface on wall for stove	No	1		
11.44	IP65 Junction Box with 10A single pole circuit breaker	No	2		
Carried to Collection					
SECTION 11					
ELECTRICAL WORKS					

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**Carried to Collection.**



<b>Item No</b>			<b>Quantity</b>	<b>Rate</b>	<b>Amount R</b>
	<b>MINIMUM TARGETED ENTERPRISE DEVELOPMENT</b>				
	A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.	PS	1	R121 999,10	R121 999,10
	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	<b>LABOUR INTENSIVE PARTICIPATION GOAL</b>				
	Labour Intensive Participation Goal - Allowance for monthly reporting of labour intensive works by main contractor based on determination by Employer taking into account specific project variables. Allowance for monitoring and monthly reporting on Works executed by means of Labour Intensive methods by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R72 000,00	R72 000,00
	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	<b>Carried Forward to Summary of Section No.</b>			R	

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Item	Description	Unit	Qty	Rate	Amount
<b>Bill</b>	<b>Summary</b>	<b>Page</b>			
1	PRELIMINARIES AND GENERAL	24			
2	DEMOLITIONS	27			
3	BLOCK 1 : 4 CLASSROOMS, 1 PRINCIPAL OFFICE AND STORE ROOM	50			
4	BLOCK 2: 2 CLASS-ROOMS AND 1 SCHOOL HALL	71			
5	BLOCK 3: 1 TUCK SHOP AND 1 STORE ROOM	96			
6	BLOCK 4: KITCHEN AND STORE ROOM	121			
8	ABLUTON BLOCK 3 (2 Male)	138			
9	ABLUTON BLOCK 4 (4 Male)	155			
11	NEW ABLUTION BLOCKS A, B AND C	190			
12	EXTERNAL WORKS	194			
13	ELECTRICAL WORKS	198			
14	PROVISIONAL SUMS	202			
	SUB-TOTAL				
	CONTINGENCIES @ 5%		5%		
	SUB-TOTAL				
	ADD VAT @ 15%				
	<b>GRAND TOTAL</b>				