

NATIONAL LOTTERIES COMMISSION (NLC)

BILL OF QUANTITIES

NLC FREE MPUMALANGA OFFICE REPAIR WORKS

2021-08-10	B	Approved for Enquiry				K Ncwana
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Date	Rev.	Status	Prepared By	Checked By	Approved By	Approved By
						Client

Revision History

Date	Rev	Description	Revised By
03 Aug 2022	A	New Document	
10 Aug 2022	B	For Issue	

NATIONAL LOTTERIES COMMISSION (NLC)

NLC MPUMALANGA OFFICE REPAIR WORKS

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Item No	Description	Unit	Quantity	Rate	Amount
	<p><u>PRELIMINARIES</u></p> <p><u>NOTES</u></p> <p>The agreement is to be the Form of Offer and Acceptance (Agreement)</p> <p>and</p> <p>The JBCC Principal Building Agreement (March 2014 edition 6.1) prepared by the Joint Building Contracts Committee, shall be the applicable agreement, amended as hereinafter described.</p> <p>The JBCC Principal Agreement contract data form an integral part of this agreement</p> <p>The Preliminaries published by the Association of South African Quantity Surveyors for use with the JBCC Principal Building Agreement Edition 6.1 March 2014 shall be deemed to be incorporated in these bills of quantities, amended hereinafter described.</p> <p>The Contractor is deemed to have referred to the above-mentioned documents for the full intent and meaning of each clause thereof</p> <p>The clauses in the above-mentioned documents are hereinafter referred to by clause number and heading only.</p> <p>Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"</p> <p>Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the above-mentioned documents</p> <p>PREAMBLES FOR TRADES</p> <p>The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</p> <p>Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the Model Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles and/or specifications</p> <p>STRUCTURE OF THIS PRELIMINARIES BILL</p> <p>Section A: A recital of the headings of the individual clauses of the aforementioned JBCC Principal Building Agreement</p> <p>Section B: A recital of the headings of the individual clauses of the aforementioned Preliminaries document</p> <p>Section C: Any special clauses to meet the particular circumstances of the project</p>				

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Item No	Description	Unit	Quantity	Rate	Amount
	<p>PRICING OF PRELIMINARIES</p> <p>Should the contractor select Option A or where option is prescribed in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V), and time related (T).</p> <p>SECTION A: PRINCIPAL BUILDING AGREEMENT</p> <p>Interpretation (A1-A7)</p> <p>Clause 1.0 - Definitions and interpretation</p> <p>Definition of agreement</p> <p>The definition of agreement is replaced with the following definition:</p> <p>AGREEMENT : The Form of Offer and Acceptance (agreement) (Part C.1) and the JBCC Principal Building Agreement, the completed JBCC PBA contract data, the contract drawings, the priced documents and any other documents introduced to in writing and signed by the parties.</p> <p>Pricing of bills of quantities</p> <p>The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packing, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities</p> <p>Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained</p> <p>Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary</p> <p>Abbreviated descriptions</p> <p>The items in these bills of quantities utilise abbreviated descriptions. it is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. however, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of local and international best practice</p> <p>Legal status of contractor</p> <p>If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:</p> <ol style="list-style-type: none"> 1. The persons are deemed to be jointly and severally liable to the employer for the performance of this agreement 2. These persons shall notify the employer of their leader who has authority to bind the contractor and each of these persons 				

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1	<p>3. The contractor shall not alter its composition or legal status without the prior written consent of the employer.</p> <p>Errata by JBCC</p> <p>Omit from definition of construction period the words: "excluding annual holiday periods"</p> <p>Omit from definition of preliminaries the word: "priced"</p> <p>F:..... V:..... T:.....</p> <p>Clause 2.0 - Law, regulations and notices</p> <p>The above clause shall be deemed to be extended as follow</p> <p>Health and Safety</p> <p>Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations 2014 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]</p> <p>The contractor shall:</p> <ol style="list-style-type: none"> 1. Comply with the health and safety specification for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. Co-operate with the health and safety consultant in all respects 4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification 5. Conform to the conditions contained in the employer's health and safety specification 	Item			
2	<p>F:..... V:..... T:.....</p> <p>Clause 3.0 Offer and acceptance</p>	Item	1		
3	<p>F:..... V:..... T:.....</p> <p>Clause 4.0 - Assignment and cession</p>	Item	1		
4	<p>F:..... V:..... T:.....</p> <p>Clause 5.0 - Contract documents</p> <p>Value Added Tax</p> <p>Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)</p>	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
	<p>Contract drawings</p> <p>The contract drawings are as listed on the contents page of the bills of quantities [5.1]</p> <p>Priced document as specification</p> <p>The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any</p> <p>Electronic issue of drawings</p> <p>All drawings for this project will be issued electronically and the contractor shall be deemed to have received such drawings on date such drawings have been dispatched electronically [5.5]</p> <p>Precedence</p> <p>Clause 5.6 is deemed to be deleted. The provisions of this Bill No.1 (Preliminaries) shall take precedence over any other documents which constitute this agreement [5.6]</p>				
5	<p>F:..... V:..... T:.....</p> <p>Clause 6.0 - Employer's agents</p> <p>Delegated authority</p> <p>The authority of the principal agent to issue contract instructions and perform duties for specific aspects of the works is delegated to agents as follows [6.2]</p> <p>1. Architect</p> <p>1.1 Duties:</p> <p>The architect is responsible for the architectural design, functional design and quality inspection of the works</p> <p>1.2 Contract instructions [17.0]:</p> <p>1.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement</p> <p>1.2.2 Alteration to design, standards or quality of the works provided that such contract instructions shall not substantially change the scope of works</p> <p>1.2.3 The site [13.2.4]</p> <p>1.2.4 Compliance with the law, regulations and bylaws [2.1]</p> <p>1.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works</p> <p>1.2.6 Opening up of work for inspection, removal or re-execution</p> <p>1.2.7 Removal or re-execution of work</p> <p>1.2.8 Removal or substitution of any materials and goods</p> <p>1.2.9 Protection of the works</p> <p>1.2.10 Making good physical loss and repairing damage to the works [8.0]</p>	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
	1.2.11 Rectification of defects [21.2]				
	1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion				
	1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums				
	1.2.14 Appointment of a subcontractor [14.0; 15.0]				
	1.2.15 Termination of nominated n/s subcontract agreement [27.2.8]				
	1.2.16 Work by (a) direct contractor(s) [16.0]				
	1.2.17 Access by other or previous contractors to remedy defective work				
	1.2.18 Removal from site of any person employed on the works				
	1.2.19 Removal from site of any person not engaged on or connected with the works				
	1.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]				
	2. Quantity Surveyor				
	2.1 Duties:				
	The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works				
	2.2 Contract instructions [17.0]:				
	2.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement				
	2.2.2 Alteration to design, standards or quality of the works provided that such contract instructions shall not substantially change the scope of works				
	2.2.3 The site [13.2.4]				
	2.2.4 Compliance with the law, regulations and bylaws [2.1]				
	2.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works				
	2.2.6 Opening up of work for inspection, removal or re-execution				
	2.2.7 Removal or re-execution of work				
	2.2.8 Removal or substitution of any materials and goods				
	2.2.9 Protection of the works				
	2.2.10 Making good physical loss and repairing damage to the works [8.0]				
	2.2.11 Rectification of defects [21.2]				

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Item No	Description	Unit	Quantity	Rate	Amount
	2.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion				
	2.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums				
	2.2.14 Appointment of a subcontractor [14.0; 15.0]				
	2.2.15 Termination of nominated n/s subcontract agreement [27.2.8]				
	2.2.16 Work by (a) direct contractor(s) [16.0]				
	2.2.17 Access by other or previous contractors to remedy defective work				
	2.2.18 Removal from site of any person employed on the works				
	2.2.19 Removal from site of any person not engaged on or connected with the works				
	2.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]				
	3. Civil and Structural Engineer				
	3.1 Duties:				
	The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works				
	3.2 Contract instructions [17.0]:				
	3.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement				
	3.2.2 Alteration to design, standards or quality of the works provided that such contract instructions shall not substantially change the scope of works				
	3.2.3 The site [13.2.4]				
	3.2.4 Compliance with the law, regulations and bylaws [2.1]				
	3.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works				
	3.2.6 Opening up of work for inspection, removal or re-execution				
	3.2.7 Removal or re-execution of work				
	3.2.8 Removal or substitution of any materials and goods				
	3.2.9 Protection of the works				
	3.2.10 Making good physical loss and repairing damage to the works [8.0]				
	3.2.11 Rectification of defects [21.2]				
	3.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion				

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Item No	Description	Unit	Quantity	Rate	Amount
	3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums				
	3.2.14 Appointment of a subcontractor [14.0; 15.0]				
	3.2.15 Termination of nominated n/s subcontract agreement [27.2.8]				
	3.2.16 Work by (a) direct contractor(s) [16.0]				
	3.2.17 Access by other or previous contractors to remedy defective work				
	3.2.18 Removal from site of any person employed on the works				
	3.2.19 Removal from site of any person not engaged on or connected with the works				
	3.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]				
	4. Mechanical Engineer				
	4.1 Duties:				
	The mechanical engineer is responsible for the all aspects of mechanical engineering design and quality inspection of the works and, where appointed by the employer for services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other mechanical and cost control functions				
	4.2 Contract instructions [17.0]:				
	4.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement				
	4.2.2 Alteration to design, standards or quality of the works provided that such contract instructions shall not substantially change the scope of works				
	4.2.3 The site [13.2.4]				
	4.2.4 Compliance with the law, regulations and bylaws [2.1]				
	4.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works				
	4.2.6 Opening up of work for inspection, removal or re-execution				
	4.2.7 Removal or re-execution of work				
	4.2.8 Removal or substitution of any materials and goods				
	4.2.9 Protection of the works				
	4.2.10 Making good physical loss and repairing damage to the works [8.0]				
	4.2.11 Rectification of defects [21.2]				
	4.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion				
	4.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums				

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Item No	Description	Unit	Quantity	Rate	Amount
	4.2.14 Appointment of a subcontractor [14.0; 15.0]				
	4.2.15 Termination of nominated n/s subcontract agreement [27.2.8]				
	4.2.16 Work by (a) direct contractor(s) [16.0]				
	4.2.17 Access by other or previous contractors to remedy defective work				
	4.2.18 Removal from site of any person employed on the works				
	4.2.19 Removal from site of any person not engaged on or connected with the works				
	4.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]				
	5. Electrical Engineer				
	5.1 Duties:				
	The electrical engineer is responsible for the all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other electrical and cost control functions				
	5.2 Contract instructions [17.0]:				
	5.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement				
	5.2.2 Alteration to design, standards or quality of the works provided that such contract instructions shall not substantially change the scope of works				
	5.2.3 The site [13.2.4]				
	5.2.4 Compliance with the law, regulations and bylaws [2.1]				
	5.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works				
	5.2.6 Opening up of work for inspection, removal or re-execution				
	5.2.7 Removal or re-execution of work				
	5.2.8 Removal or substitution of any materials and goods				
	5.2.9 Protection of the works				
	5.2.10 Making good physical loss and repairing damage to the works [8.0]				
	5.2.11 Rectification of defects [21.2]				
	5.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion				
	5.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums				
	5.2.14 Appointment of a subcontractor [14.0; 15.0]				
	5.2.15 Termination of nominated n/s subcontract agreement [27.2.8]				

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Item No	Description	Unit	Quantity	Rate	Amount
	5.2.16 Work by (a) direct contractor(s) [16.0]				
	5.2.17 Access by other or previous contractors to remedy defective work				
	5.2.18 Removal from site of any person employed on the works				
	5.2.19 Removal from site of any person not engaged on or connected with the works				
	5.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]				
	6. Wet Services Engineer				
	6.1 Duties:				
	The wet services engineer is responsible for the all aspects of wet services engineering design and quality inspection of the works				
	6.2 Contract instructions [17.0]:				
	6.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement				
	6.2.2 Alteration to design, standards or quality of the works provided that such contract instructions shall not substantially change the scope of works				
	6.2.3 The site [13.2.4]				
	6.2.4 Compliance with the law, regulations and bylaws [2.1]				
	6.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works				
	6.2.6 Opening up of work for inspection, removal or re-execution				
	6.2.7 Removal or re-execution of work				
	6.2.8 Removal or substitution of any materials and goods				
	6.2.9 Protection of the works				
	6.2.10 Making good physical loss and repairing damage to the works [8.0]				
	6.2.11 Rectification of defects [21.2]				
	6.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion				
	6.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums				
	6.2.14 Appointment of a subcontractor [14.0; 15.0]				
	6.2.15 Termination of nominated n/s subcontract agreement [27.2.8]				
	6.2.16 Work by (a) direct contractor(s) [16.0]				
	6.2.17 Access by other or previous contractors to remedy defective work				

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Item No	Description	Unit	Quantity	Rate	Amount
	6.2.18 Removal from site of any person employed on the works				
	6.2.19 Removal from site of any person not engaged on or connected with the works				
	6.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]				
	7. Fire consultant				
	7.1 Duties:				
	The fire is responsible for the all aspects of mechanical engineering design and quality inspection of the works and, where appointed by the employer for services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other services and cost control functions				
	7.2 Contract instructions [17.0]:				
	7.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement				
	7.2.2 Alteration to design, standards or quality of the works provided that such contract instructions shall not substantially change the scope of works				
	7.2.3 The site [13.2.4]				
	7.2.4 Compliance with the law, regulations and bylaws [2.1]				
	7.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works				
	7.2.6 Opening up of work for inspection, removal or re-execution				
	7.2.7 Removal or re-execution of work				
	7.2.8 Removal or substitution of any materials and goods				
	7.2.9 Protection of the works				
	7.2.10 Making good physical loss and repairing damage to the works [8.0]				
	7.2.11 Rectification of defects [21.2]				
	7.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion				
	7.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums				
	7.2.14 Appointment of a subcontractor [14.0; 15.0]				
	7.2.15 Termination of nominated n/s subcontract agreement [27.2.8]				
	7.2.16 Work by (a) direct contractor(s) [16.0]				
	7.2.17 Access by other or previous contractors to remedy defective work				
	7.2.18 Removal from site of any person employed on the works				

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Item No	Description	Unit	Quantity	Rate	Amount
	7.2.19 Removal from site of any person not engaged on or connected with the works				
	7.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]				
	8. Health and Safety Consultant				
	8.1 Duties:				
	The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works:				
	8.1.1 Act as the employer's agent in terms of Construction regulations issued in terms of Occupational Health and Safety Act, 1993				
	8.1.2 Prepare and update the health and safety specification for the works				
	8.1.3 Agree with the contractor the health and safety plan for the works				
	8.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the Act and Regulations				
	8.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to				
6	F:..... V:..... T:.....	Item			
	9. Client Representative				
	9.1 Duties:				
	The clause shall be deemed to be added to this agreement				
	The clients site representative is responsible to report to the Client and Principal agent on inter alia;				
	9.1.1 Compliance with national building regulations				
	9.1.2 Compliance with all relevant construction regulations				
	9.1.3 Construction and quality compliance				
7	F:..... V:..... T:.....	Item			
	Clause 7.0 - Design responsibility				
8	F:..... V:..... T:.....	Item			
	Insurance and Security (A8-A11)				
	Clause 8.0 - Work risk				
9	F:..... V:..... T:.....	Item			
	Clause 9.0 - Indemnities				
10	F:..... V:..... T:.....	Item			
	Clause 10.0 - Insurances				

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11	<p>F:..... V:..... T:.....</p> <p>Clause 11.0 - Security</p> <p>Clause 11 (11.1 to 11.2) shall be deemed to be replaced by the following:</p> <p>11.1 The security required shall be as described in the bid document and shall be in the form of cash, certified cheque or bank guarantee from a banking institution registered in terms of the Banks Act 1990 (Act No (4 of 1990) or from an insurer registered in terms of the insurance Act 1943 (Act No 27 of 1943)</p> <p>11.2 Guarantees will be required as follows</p> <table><thead><tr><th>CATEGORY</th><th>PROJECT</th><th>VALUE GUARANTEE</th></tr></thead><tbody><tr><td>A</td><td>< R500 000</td><td>2.5%</td></tr><tr><td>B</td><td>R500 0001 - R1 000 000</td><td>5%</td></tr><tr><td>C</td><td>R1 000 0001 - R2 000 000</td><td>7.5%</td></tr><tr><td>D</td><td>> R2 000 000</td><td>10%</td></tr></tbody></table> <p>11.3 The Employer's entitlement to recover expense and loss in terms of 27.0 shall take precedence over the reducing of the surety or proportions thereof</p> <p>11.4 The parties shall expressly agree that neither the Employer nor the Contractor shall be entitled to cede the rights to the surety to any third party and the Employer shall apply the security strictly according to the provisions of this agreement</p> <p>11.5 Such selected security shall be provided within fourteen (14) calender days of written acceptance of the contractor's tender</p> <p>The employer reserves the right to reject a construction guarantee if, in the opinion of the employer, the guarantor is not accredited.</p> <p>Clause (11.4 to 11.5)</p> <p>Security payment</p> <p>The employer shall not provide a guarantee for payment to the Contractor Clause (11.10)</p> <p>This clause shall be deemed to be replaced by the following;</p> <p>The contractor shall wave his lien at signing the contract</p> <p>The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10]</p> <p>Execution (A12 - A17)</p> <p>Clause 12.0 - duties of the parties</p> <p>Clause 12.1.1 - Amended clause 11.4 apply</p> <p>Provision of clauses 12.1.2 to 12.1.6 and 12.2.18</p> <p>Refer to the contract data, the Preliminaries document and "Section B: Preliminaries" of this with reference to the provisions of clauses 12.1.2 to 12.1.6 and 12.2.18 of the JBCC Principal Building Agreement</p> <p>Office accommodation</p>	CATEGORY	PROJECT	VALUE GUARANTEE	A	< R500 000	2.5%	B	R500 0001 - R1 000 000	5%	C	R1 000 0001 - R2 000 000	7.5%	D	> R2 000 000	10%	Item	1		
CATEGORY	PROJECT	VALUE GUARANTEE																		
A	< R500 000	2.5%																		
B	R500 0001 - R1 000 000	5%																		
C	R1 000 0001 - R2 000 000	7.5%																		
D	> R2 000 000	10%																		

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Item No	Description	Unit	Quantity	Rate	Amount
	<p>The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]</p> <p>Notice board</p> <p>The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]</p> <p>Access to water, sewer, stormwater and electricity connections</p> <p>The employer is not in a position to identify access to water, sewer, stormwater and electricity connections to the site as may be suitable for the execution of the works. The contractor is to allow what he considers to be required and is to qualify his tender in detail in this regard, failing which it shall be taken that the contractor has allowed what will be required for the execution of the works. in such case no claims for additional cos or loss shall be entertained [12.1.5]</p> <p>Statutory and other notices</p> <p>The contractor shall submit and/or comply with all statutory and other notices such case no claims for additional cos or loss shall be entertained [12.1.5] such case no claims for additional cos or loss shall be entertained [12.1.5] delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard [12.1.6]</p> <p>It is however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto</p> <p>Clause 13.0 - Setting out</p> <p>12 F:..... V:..... T:.....</p> <p>Clause 14.0 - Nominated subcontractors</p> <p>Clause 14.1.4 Reference should read "[17.1.4]"</p> <p>Clause 14.6 Reference should read "[17.1.15; 27.1.8]"</p> <p>Clause 14.7.2 Reference should read "[27.1.8]"</p> <p>Clause 14.7.3 Reference should read "[27.2.8]"</p> <p>13 F:..... V:..... T:.....</p> <p>Clause 15.0 - Selected subcontractors</p> <p>Clause 15.2 Reference should read "[17.1.4]"</p> <p>Clause 15.7.2 Reference should read "[27.1.8]"</p> <p>Clause 15.7.3 Reference should read "[27.2.8]"</p> <p>14 F:..... V:..... T:.....</p> <p>Clause 16.0 - Direct contractors</p> <p>Attendance on direct contractors</p> <p>In respect of direct contractors the contractor shall:</p> <p>1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials</p>				
		Item	1		
		Item			
		Item			

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	2. Allow the use of personnel welfare facilities, where provided				
	3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation				
	4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1]				
	Clause 16.1.3 Reference should read "[26.5]				
15	F:..... V:..... T:..... Clause 17.0 - Contract instructions Site instructions Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor Errata by JBCC Clause 17.1.3 Reference should read "[13.2.4]"	Item			
16	F:..... V:..... T:..... Completion (A18-A24) Clause 18.0 - Interim completion	Item			
17	F:..... V:..... T:..... Clause 19.0 - Practical completion	Item			
18	F:..... V:..... T:..... Clause 20.0 - Sectional completion Errata by JBCC Clause 20.2.2 Reference should read "[21.6.2]"	Item			
19	F:..... V:..... T:..... Clause 21.0 - Defects liability period and final completion Errata by JBCC Reference should read "[21.6.1]" Clause 21.9 Reference should read "[21.4 ; 21.6.1]"	Item			
20	F:..... V:..... T:..... Clause 22.0 - Latent defects liability period	Item			
21	F:..... V:..... T:.....	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
	<p>Clause 23.0 - Revision of date of practical completion</p> <p>Substitution of materials and goods</p> <p>The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8, 23.1 & 2]</p> <p>Errata by JBCC</p> <p>Clause 23.2 Reference should read "[26.7]"</p> <p>Clause 23.2.1 Reference should read "[12.1.7]"</p>				
22	<p>F:..... V:..... T:.....</p> <p>Clause 24.0 - Penalty for late or non-completion</p>	Item			
23	<p>F:..... V:..... T:.....</p> <p>Payment (A25 - A27)</p> <p>Clause 25.0 - Payment</p> <p>Clause 25.0 shall be deemed to be amended and extended as follows;</p> <p>25.16 Retention Fund</p> <p>25.16.1 The Employer shall withhold from the Contractor ten per cent (10%), with a maximum of five per cent (5%) of all payments made before the issuing of the certificate of practical completion as a retention fund. No interest is to be paid to the Contractor on the retention fund. The retention fund shall be held by the Employer as a guarantee to the Employer for the completion of the contract.</p> <p>25.16.2 Two fifths (2/5) of the retention fund shall be paid to the Contractor on the issuing of the certificate of practical completion, and two fifths (2/5) on the issuing of the certificate of final completion and the remainder on the issuing of final account</p> <p>Notwithstanding this or any other clause, materials and goods stored off site shall not be included in the amount authorised for payment unless specifically authorised by the Employer.</p> <p>Materials and goods prematurely on site</p> <p>Materials and goods brought onto the site prematurely shall not be authorised for payment [25.3.2]</p> <p>Materials and goods stored off site</p> <p>This clause shall be deemed to be amended as follows:</p> <p>Materials and goods stored off site shall not be authorised for payment unless procedures in terms of ownership, payment, storage and insurance of such goods has been confirmed to and authorised as such by the Principal Agent [25.3.2]</p> <p>Contract Price Adjustment</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate Value Added Tax, shall be adjustable in accordance with CPAP indices (PO151) base month being month prior to closing date of bid [25.3.4]</p>	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
24	<p>Prices submitted</p> <p>Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement 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 certificate of final completion, it shall be in writing (25.3.5)</p> <p>Errata by JBCC</p> <p>Clause 25.2 The word: "Final" in bold in the second line Clause 25.10.3 Reference should read "[25.13 ; 26.10]" New clause 25.12.4 Add the words : "Terminate the agreement [29.14.7] where the listed options [25.12.1 -3] have failed"</p> <p>F:..... V:..... T:.....</p> <p>Clause 26.0 - Adjustment of the contract value and final account</p> <p>Tenant installations/users requirements delayed</p> <p>There is possibility that certain works related to tenant installations/users requirements may have to be delayed and may consequently not be executed prior to practical completion</p> <p>The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission</p> <p>Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount of for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works</p> <p>Cost of Claims</p> <p>All costs incurred by the contractor in the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6,7] from making a determination on costs</p> <p>The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]</p> <p>Errata by JBCC</p> <p>Clause 26.4.2 Omit the entire clause and renumber thereafter New clause 26.4.3 "Other proven or unavoidable costs"</p> <p>Clause 27.0 - Recovery of expense and/or loss</p>	Item			
	<p>F:..... V:..... T:.....</p>				
25	<p>F:..... V:..... T:.....</p>	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
26	<u>Suspension and termination (A28 - A29)</u>	Item			
	Clause 28.0 - Suspension by the contractor				
	Errata by JBCC				
	New Clause 28.1.5 and renumber thereafter "Or where an agent has failed to act in terms of this agreement [6.4]"				
	Clause 28.2 Replace the word "defect" with "default" in the first line				
	F:..... V:..... T:.....				
	Clause 29.0 - Termination				
	Errata by JBCC				
	Clause 29.1.2 Delete the words: "within the period stated [CD]"				
	Clause 29.14.1 Change as follows: "Provide or maintain a guarantee for payment.....[11.4-5]"				
27	Clause 29.14.2 Reference should read "[12.1.7]"	Item			
	New clause 29.14.2 "Or where an agent has failed to act in terms of this agreement [6.4]"				
	F:..... V:..... T:.....				
28	Dispute resolution	Item			
	Clause 30.0 - Dispute resolution				
	F:..... V:..... T:.....				
	AGREEMENT				
	The required Information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties following the issue of letter of appointment by the Employer and compliance thereto by the contractor				
	CONTRACT DATA				
	Before submission of his tender the contractor is to note and allow in his tender for the items and requirements as set out here after. The contract data shall be inserted in the agreement for signature of the agreement by the parties				
	<u>(A) TENDER INFORMATION</u>				
	A1 Project Name:				
	NLC Mpumalanga Office Repair Works				
	(A) TENDER INFORMATION	Item			
	A2 Works Description				
	NLC Mpumalanga Office Repair Works				
	A3 Site description				
	3.1 NLC Mpumalanga Provincial Office, Nelspruit,				

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Item No	Description	Unit	Quantity	Rate	Amount
	<p>Mpumalanga Province</p> <p>3.2 Local Authority: Mbombela Local Municipality</p> <p>3.3 Street Address: 29 Roodt Street, Mbombela - Mpumalanga Province</p> <p>A4 Employer</p> <p>4.1 Name: National Lotteries Commission (NLC)</p> <p>4.2 Business: National Lotteries Commission (NLC)</p> <p>4.3 Business Reg No: N/A</p> <p>Department VAT No: N/A</p> <p>4.4 Contact person: Mr K. Ncwana Tel: 012 432 1300 Email: Khaya@nlcsa.org.za</p> <p>4.5 Registered street address: Block D, Hatfield Gardens, 333 Grosvenor Street, Hatfield, Pretoria, 0083</p> <p>4.6 Postal address: PO Box 1556, Brooklyn Square, Pretoria, 0075</p> <p>4.7 Tel. No: 012 342 1300 Fax No: 086 523 7127 website: www.nlcsa.org.za</p> <p>A5 - A13 Principal Agent:</p> <p>5.1 Name:</p> <p>5.2 Business: Private (Built Environment Consultants)</p> <p>5.3 Business Reg No:</p> <p>Business VAT No:</p> <p>5.4 Contact person: Tel: Email:</p> <p>5.5 Registered street address:</p> <p>5.6 Postal address:</p> <p>5.7 Tel. No:</p> <p>(B) CONTRACT DATA</p> <p>2.0 Law regulations and notices</p> <p>2.1/25.15 Law of the Country applicable: South Africa</p> <p>5.0 Contract documents</p>				

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Item No	Description	Unit	Quantity	Rate	Amount
	<p>5.1 Signed contract document held by - Employer</p> <p>5.5 Number of copies of documents issued free to the contractor - two (2) copies</p> <p>Priced Documents</p> <p>Lump sum priced document - No</p> <p>Priced Bill of Quantities (BoQ) - Yes</p> <p>System/Method of measurement - Latest Edition of Standard System of Measuring Building Work published by ASAQS.</p> <p>Contract Documents Comprising</p> <p>JBCC Principal Building Agreement Ed 6.1 March 2014 - A</p> <p>JBCC PBA Contract Ed 6.1 March 2014 - B</p> <p>Contract drawings</p> <p>Will be listed in detail at signing of contract. The drawings attached to these Bills are for tender reference purposes only</p> <p>6.0 Employers Agent</p> <p>6.3 Agents in project has no interest other than professional services - N/A</p> <p>10.0 Insurances</p> <p>By the Employer - No</p> <p>By the Contractor - Yes</p> <p>Contract works insurance (CWI) (including material and goods temporary works - Contract sum</p> <p>Allowances for Professional fees and escalation of the insured value</p> <p>Free issue material at new replacement value - Not Applicable</p> <p>Employer owned surrounding property - Not Applicable</p> <p>Public Liability insurance - R1,000,000.00 each and every claim</p> <p>Supplementary insurance (including CWI extensions - Yes SASRIA</p> <p>Removal of lateral support insurance - Not Applicable</p> <p>policy deductables</p> <p>Works free issue - 0.1% of insured amount</p> <p>Supplementary insurance 0.1% of the insured amount</p> <p>11.0 Security</p> <p>11.1.1-5 The contractor shall provide a guarantee for construction to the Employer - Yes</p> <p>12.0 Duties of the parties/Employer/Site</p>	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
	12.1.1 Alteration and additions to existing premises - Yes				
	12.1.2 Premises occupied - yes				
	12.1.3 Relevant natural featured to be retained relocated / removed - No				
	12.1.4 Areas the contractor may not occupy - No				
	12.1.5 Utilities connection - Location: As shown on drawings				
	12.1.6 Statutory and/or other notices to be complied with by the contractor before possession of site can be given. Compliance with all requirements stipulated in bid documentation				
	12.1.7 Possession of the site - intended date: within 21 calender days of acceptance of tender by the employer and compliance thereto by the contractor				
	12.1.12 Description of free issue by the employer - Not Applicable				
	14.0 Nominated subcontractors				
	All subcontractors will be direct subcontractors to the main contractor				
	16.0 Direct subcontractors				
	Employer reserve a right to use direct contractors which will be listed as such at signing of contract.				
	Practical completion date: 6 months				
	Penalty for late completion				
	19.0 Practical completion of the works as a whole - within 6 months from the date of handover, penalty per calender day is R1,000.00 (incl. VAT)				
	19.0 Practical completion				
	19.1.1 Items that do not have to be completed to achieve practical completion -N/A				
	19.1.2 Criteria to achieve practical completion - as per condition of contract				
	25.0 Payment				
	25.1 Currency: South African Rand				
	25.2 Issue of regular payment certificates on: 25th day of each month				
	25.3.2 Materials and goods off site - paid subject to bid documentation conditions				
	25.3.4 / 26.9.5 Contract Price Adjustment Provisions (CPAP)				
	Contract value adjustment: The contract value is adjusted after the first 12months , therefore shall be adjusted and the base month will be as per contractor's appointment.				
	30.0 Dispute resolution				
	30.6.1 Alternative dispute resolution nominating body - JBCC for adjudication - Association of Arbitrators (South Africa)				

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	<p>Changes made to JBCC document - Refer to Preliminaries section of the bills of quantities for changes which will be applicable to this contract.</p> <p><u>C) TENDER CLOSING</u></p> <p>Tender closing: date/time/place/address - as stated in bid documentation</p> <p>Delivered in electronic format: Yes - As stated in bid documentation</p> <p>Alternative offer considered: Yes - only if original tender submitted</p> <p><u>(D) TENDERERS SELECTION</u></p> <p>11.0 Securities</p> <p>Guarantee for construction</p> <p>Refer to clause 11.1 to 11.5 for security requirements which will apply to this contract</p> <p>Guarantee for Advance Payment - Not Applicable to this contract</p> <p>Guarantee for Payment - Not Applicable to this contract</p> <p>19.0 Contractors holiday period during the construction period</p> <p>One month - 15 December to 15 January allowed in the contract period of 8 months</p> <p>26.0 Payment / adjustment of preliminaries</p> <p>Payment of preliminaries Option B - Yes</p> <p>Adjustment of preliminaries (26.9.4) Option A - Yes</p> <p>Notes:</p> <p>The tender shall remain in full legal force for (120) one hundred and twenty calendar days</p> <p>TENDER SUM COMPILATION</p> <p>Refer to Bid Documentation - Calculation of bid sum</p> <p>TENDERER'S DETAILS</p> <p>Refer to Bid Documentation - Contract Data</p> <p><u>SECTION B: PRELIMINARIES</u></p> <p><u>Interpretation (B1)</u></p> <p>29 F:..... V:..... T:.....</p> <p><u>Documents (B2)</u></p> <p>Clause 2.1 - Checking of documents</p> <p>30 F:..... V:..... T:.....</p>				
		Item			
		Item			

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Item No	Description	Unit	Quantity	Rate	Amount
31	<p>Clause 2.2 - Provisional bills of quantities</p> <p>F:..... V:..... T:.....</p> <p>Clause 2.3 - Availability of construction documentation</p> <p>Construction information completed</p> <p>Budget allowances and provisional sums</p> <p>The budgetary allowances and/or provisional sums allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of subcontractors during the construction period</p>	Item			
32	<p>F:..... V:..... T:.....</p> <p><u>Previous work and adjoining properties (B3)</u></p> <p>Clause 3.1 - Previous work - dimensional accuracy</p>	Item			
33	<p>F:..... V:..... T:.....</p> <p>Clause 3.2 - Previous work - defects</p>	Item			
34	<p>F:..... V:..... T:.....</p> <p>Clause 3.3 - Inspection of adjoining properties</p>	Item			
35	<p>F:..... V:..... T:.....</p> <p><u>Samples, shop drawings and manufacturer's instructions (B4)</u></p>	Item			
36	<p>F:..... V:..... T:.....</p> <p>Clause 4.2 - Workmanship samples</p>	Item			
37	<p>F:..... V:..... T:.....</p> <p>Clause 4.3 - Shop drawings</p>	Item			
38	<p>F:..... V:..... T:.....</p> <p>Clause 4.4 - Compliance with manufacturer's instructions</p>	Item			
39	<p>F:..... V:..... T:.....</p> <p><u>Deposits and fees (B5)</u></p> <p>Clause 5.1 - Deposits and fees</p>	Item			
40	<p>F:..... V:..... T:.....</p> <p><u>Temporary services (B6)</u></p> <p>Clause 6.1 - Water</p> <p>Option A (6.1.1) applicable</p>	Item			
41	<p>F:..... V:..... T:.....</p>	Item	1		

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Item No	Description	Unit	Quantity	Rate	Amount
	Clause 6.2 - Electricity				
	Option A (6.2.1) applicable				
42	F:..... V:..... T:.....	Item	1		
	Clause 6.3 - Ablution and welfare facilities				
	Option A (6.3.1) applicable				
43	F:..... V:..... T:.....	Item	1		
	Clause 6.4 - Communication facilities				
44	F:..... V:..... T:.....	Item	1		
	Community Liaison Officer - CLO				
45	F:..... V:..... T:.....	Item	1		
	<u>Prime cost amounts (B7)</u>				
	Clause 7.1 - Responsibility for prime cost amounts				
46	F:..... V:..... T:.....	Item			
	<u>Attendance on Subcontractors (B8)</u>				
	Clause 8.1 - General attendance				
47	F:..... V:..... T:.....	Item			
	Clause 8.2 - Special attendance				
48	F:..... V:..... T:.....	Item			
	<u>General (B9)</u>				
	Clause 9.1 - Protection of works				
49	F:..... V:..... T:.....	Item			
	Clause 9.2 - Protection/isolation of existing/sectionally occupied works				
50	F:..... V:..... T:.....	Item			
	Clause 9.3 - Security of the works				
51	F:..... V:..... T:.....	Item			
	Clause 9.4 - Notice before covering work				
52	F:..... V:..... T:.....	Item			
	Clause 9.5 - Disturbance				
53	F:..... V:..... T:.....	Item			
	Clause 9.6 - Environmental disturbance				

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Item No	Description	Unit	Quantity	Rate	Amount
54	F:..... V:..... T:..... Clause 9.7 - Works cleaning and clearing	Item			
55	F:..... V:..... T:..... Clause 9.8 - Vermin	Item			
56	F:..... V:..... T:..... Clause 9.9 - Overhand work	Item			
57	F:..... V:..... T:..... Preliminaries schedule (B10) Information for completion of the preliminaries schedule The Preliminaries schedule contains all Pre-tender variables referred to in this document and must be completed in full and included in the tender documents Spacing requiring information must be filled in, shown as 'not applicable' or deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the Preliminaries schedule. key cross reference clauses are italicised in [] brackets 10.1 Provisional bills of quantities [2.2] The quantities are provisional: No 10.2 Availability of construction information [2.3] Construction documentation is complete: Yes 10.3 Previous work - dimensional accuracy [3.1] Not applicable 10.4 Previous work - defects [3.2] Not Applicable 10.5 Inspection of adjoining properties [3.3] Not Applicable 10.6 Water [6.1] Option A (by contractor) Yes Option B (by employer - free of charge) No Option C (by employer - metered) No 10.7 Electricity [6.2] Option A (by contractor) Yes Option B (by employer - free of charge) No Option C (by employer - metered) No 10.8 Ablution and welfare facilities [6.3] Option A (by contractor) Yes Option B (by employer - free of charge) No Option C (by contractor - metered) No	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
	<p>10.9 Communication facilities [6.4]</p> <p>Telephone / Cell phones on site - Yes Fax at office - Yes E-mail on site - Yes</p> <p>10.10 Protection of the works [9.1]</p> <p>Specific requirements - No</p> <p>10.11 Protection / isolation of existing/sectionally occupied works [9.2] Protection / isolation is required - No</p> <p>10.12 Disturbance [9.5]</p> <p>Specific requirements</p> <p>All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever</p> <p>10.13 Environmental Disturbance</p> <p>Specific requirements</p> <p>Controlling all forms of pollution</p> <p>The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc</p> <p>The contractor is to ensure that all roads which border the site and is used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works</p> <p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p> <p>Warranties for materials and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or doing the work and shall deliver same to the principal agent on the final completion of the contract</p> <p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so</p> <p>The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor</p>				
58	<p>F:..... V:..... T:.....</p> <p>Overtime</p>	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
59	<p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p> <p>F:..... V:..... T:.....</p> <p>Co-operation of the contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget</p>	Item			
60	<p>F:..... V:..... T:.....</p> <p>Overloading</p> <p>The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense</p>	Item	1		
61	<p>F:..... V:..... T:.....</p> <p>Propping of floors below</p> <p>The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding,</p>	Item			
62	<p>F:..... V:..... T:.....</p> <p>Testing of flat roof waterproofing for watertightness</p> <p>Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least forty (40) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing</p>	Item			
63	<p>F:..... V:..... T:.....</p> <p>Testing of windows for watertightness</p> <p>Each window shall be tested for watertightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed and/or other approved means</p>	Item			
64	<p>F:..... V:..... T:.....</p> <p>Broad Based Black Economic Empowerment (BBBEE)</p> <p>Tenders submitted will be elevated taking into account their empowering rating</p> <p>The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works</p> <p>The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating</p>	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
65	F:..... V:..... T:..... Advertising rights The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. Position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in the meeting of his obligations under this agreement	Item			
66	F:..... V:..... T:..... Confidentiality The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer	Item			
67	F:..... V:..... T:..... Media releases All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer. The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement to be printed, screened or aired by the media	Item			
68	F:..... V:..... T:..... Proprietary branded products The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instruction after consultation with the manufacturer's authorised representative	Item			
69	F:..... V:..... T:..... As build drawings The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records.	Item			
70	F:..... V:..... T:..... Site instructions Site instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor	Item	1		
71	F:..... V:..... T:..... Labour record At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day	Item	1		
72	F:..... V:..... T:.....	Item	1		

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Item No	Description	Unit	Quantity	Rate	Amount
73	<p>Plant Record</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form the number, type and capacity of all plant, excluding hand tools, currently used on the works.</p> <p>F:..... V:..... T:.....</p>	Item	1		
74	<p>Non cession of monies</p> <p>The contractor shall not cede nor assign his right or claims to any monies due or to become due under this contract</p> <p>F:..... V:..... T:.....</p> <p>Occupational health and safety act - section 37(2)</p> <p>The tenderers attention is drawn to be the fact that the Occupational Health and Safety Act (Act 85 of 1993) and Construction Regulations 2014 is in force. Copies of the Act are available from the Government Printing Works, 149 Bosman Street, Pretoria (Private Bag x85, Pretoria, 0001, Tel No. (012) 334 4500</p> <p>Tenderers are expected to be fully acquainted with the requirements of the Act.</p> <p>A proforma "Agreement in terms of the Occupational Health and Safety Act - Part C 1.4" is included in these bid documents. Tenderers are advised to study this pro-forma in order to make themselves fully conversant with the requirements and responsibilities of the Act and the Municipality.</p> <p>Tenderers are to provide for the above-mentioned requirements and to allow for all cost implications regarding the above including risk assessment, safety plan and monitoring system for the duration of the contract.</p>	Item			
75	<p>F:..... V:..... T:.....</p> <p>Community employment and SME's involvement:</p> <p>The building and related projects shall be labour intensive and shall promote community employment in the execution of the contract resulting from this tender.</p> <p>Furthermore, it shall contribute to the development of SME's (Small and Medium Enterprises) especially from previously disadvantaged communities</p> <p>Local labour</p> <p>It is an explicit condition of this contract that only persons normally resident in the locality of the works (Local Labour) may be employed on the contract. Provided however, that should adequate and appropriate labour not be available within the locality, other labour may be employed., subject to the approval of the Principal Agent and satisfactory proof being provided that every reasonable endeavour has been made, to employ labour from the immediate locality. The contractors shall identify the local community leaders, with the purpose of negotiating with them, regarding the utilisation of local labour in the construction process. In this regard, the Contractor shall furthermore give preference, where possible, to the employment of single heads of households, woman, youth and disabled persons. The Contractor shall in general, maximise the involvement of the local community</p>	Item	1		
76	<p>F:..... V:..... T:.....</p> <p>Specific goal participation</p> <p>Tenderers should note that this project is subject to the maximum utilization of women, youth and disabled and preference will be given as such and also monitored during the construction stage. Details of the tenderers proposals in this regard is to be provided before commencement of the works and data forms to be completed by the contractor</p>	Item			
77	<p>F:..... V:..... T:.....</p>	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
	Labour intensive working methods Tenderers should note that this project is subject to use of labour intensive construction methods, e.g alteration works - demolitions, painting, plumbing, etc to be done by hand. Details of the tenderers proposals in this regard is to be provided before commencement of the work by the contractor for approval by the Principal Agent				
78	F:..... V:..... T:..... Non accredited training Tenderers should note that non accredited training (i.e. on site training is to be provided during the construction period). Details of the tenderer's proposals in this regard is to be provided before commencement of the works by the contractor for approval by the Principal Agent	Item	1		
79	F:..... V:..... T:..... SECTION D: HEALTH AND SAFETY REQUIREMENTS FOR ALL TENDER BILL OF QUANTITIES OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 AND THE CONSTRUCTION REGULATION, 2014 (refer Section C3.6: H&S Requirements and Procedures) PART A-OHS ACT COMPLIANCE-IMPLEMENTATION OF THE HEALTH AND SAFETY Construction health & safety documentation Prepare and compile H&S plan as per site specification Health and safety Specifications, OHS Act & Regulations	Item	1		
80	F:..... V:..... T:..... Allow for the preparation and compilation of the site specific health and safety file, and a health and safety working file	Item	1		
81	F:..... V:..... T:..... Changes and amendments as may be required for ongoing maintenance of health and safety file, and working file	Item	1		
82	F:..... V:..... T:..... Appointment of a Registered Construction health and safety officer for the duration of the Contract as per Section 8(5) of the Construction Regulations 2014	Item			
83	F:..... V:..... T:..... PART B-OHS ACT COMPLIANCE-IMPLEMENTATION OF THE HEALTH AND SAFETY Personal Protective Clothing & Equipment	Item	1		
84	Foot protection (steel toe cap, gum boots, etc)	Item			
85	F:..... V:..... T:.....	Item	1		
86	Clothing (Overalls Depicting Contractors Company name/identification)	Item			
87	F:..... V:..... T:.....	Item	1		
88	Glove (leather, PVC, Acid Resistant, etc)	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
89	F:..... V:..... T:.....	Item	1		
90	Head Protection: Hardhats with air vents, Colour Coded - Supervisory (Red) Labour (Green) First Aid (Blue) Sun Shields Etc).	Item			
91	F:..... V:..... T:.....	Item	1		
92	Ear protection (earplugs, earmuffs, earmuffs with 30% protective value), etc.	Item			
93	F:..... V:..... T:.....	Item	1		
94	Eye Protection (Face Shield, Goggles, Spectacles, etc)	Item			
95	F:..... V:..... T:.....	Item			
96	Air (Dust Masks, etc)	Item			
97	F:..... V:..... T:.....	Item	1		
98	Visibility (luminous high visibility safety vests/ jackets/ bibs/ head gear, etc)	Item			
99	F:..... V:..... T:.....	Item			
100	Fall Risk/ Fall Protection/ Working at Heights This only required when work is 2m or more in height	Item			
101	F:..... V:..... T:.....	Item			
102	Harness (double stranded safety harness with pylon hooks, etc)	Item			
103	F:..... V:..... T:.....	Item			
104	Fall Protection and Recovery Plan (and recovery gear)	Item			
105	F:..... V:..... T:.....	Item			
106	Portable ladders, A-frame, extendable, length, material, etc.	Item			
107	F:..... V:..... T:.....	Item			
108	Barricading/ Hoarding (Supply, Install & Removal)	Item			
109	Construction perimeter (fence, shade netting, corrugated iron, shutter board, Hard Barricade etc)	Item			
110	F:..... V:..... T:.....	Item			
111	Trench and manhole excavations	Item			
112	Pre-warning (danger tape, orange "shark" netting, cones, delineators, temporary road signs, etc)	Item			
113	F:..... V:..... T:.....	Item			
	PART C-OHS ACT COMPLIANCE-IMPLEMENTATION OF THE HEALTH AND SAFETY				
	Occupational medical surveillance				
114	Provide full time competent construction health and safety officer on site to assist in the control of all health and safety aspects on site (CR8(5))	Item			

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Item No	Description	Unit	Quantity	Rate	Amount
	F:..... V:..... T:.....	Item			
115	Induction training (employees, visitors, sub-contractors, local residence/ home owners)	Item			
	F:..... V:..... T:.....	Item			
116	Medical Examination	Item			
117	Medical treatments	Item			
118	F:..... V:..... T:.....	Item			
119	Entry Medical Examination by a SASOHN registered Occupational Health Nurse or a SASOM registered Occupational Medical Practitioner	Item	1		
120	F:..... V:..... T:.....	Item			
121	Periodical (if contract more than 12 months) Medical Examination	Item			
122	F:..... V:..... T:.....	Item			
123	Exit Medical Examination	Item	1		
124	F:..... V:..... T:.....	Item			
	PART D-OHS ACT COMPLIANCE-IMPLEMENTATION OF THE HEALTH AND SAFETY				
125	Health And Safety Control and Training				
	F:..... V:..... T:.....	Item			
126	Basic First Aid training level one				
	F:..... V:..... T:.....	Item			
127	Health and Safety representative				
	F:..... V:..... T:.....	Item			
128	Signage, Information Display, Awareness	Item			
129	Construction (firefighting. General information, prohibitory, mandatory, warning, hazchem, photo luminescent, etc)				
130	F:..... V:..... T:.....	Item			
131	Roads (temporary, traffic control, associated with construction work within the road reserve, etc)	Item			
132	F:..... V:..... T:.....	Item			
133	Health and Safety information display board in site office (emergency evacuation flow diagram, emergency contact numbers, electrical, general, etc)	Item			
134	F:..... V:..... T:.....	Item	1		
135	Health and safety charts (OHS Act, Basic Conditions of Employment Act)	Item			
136	F:..... V:..... T:.....	Item	1		

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Item No	Description	Unit	Quantity	Rate	Amount
137	2 way communication radio for riggers / banksmen	Item			
138	F:..... V:..... T:.....	Item			
139	Construction Vehicle, Mobile Plant and Roads	Item			
140	Equipment (stop blocs, traffic flags)	Item			
141	F:..... V:..... T:.....	Item			
142	Rotating/ strobe lights for construction vehicle and mobile plant	Item			
143	F:..... V:..... T:.....	Item			
144	Facilities (wash bay, fuel bay, service bay)	Item			
145	F:..... V:..... T:.....	Item			
146	Fire Fighting and Emergencies	Item			
147	Fire fighting equipment (fire extinguishers - dry powder, for all construction vehicle, site vehicle, site office and onsite)	Item	1		
148	F:..... V:..... T:.....	Item			
149	Alarm signaling device (hooter/ blow horn/ siren/ bell/ whistle etc)	Item			
150	F:..... V:..... T:.....	Item			
151	Emergencies	Item			
152	First aid treatment box (and refills, stretcher, medical waste drop box, etc)	Item			
153	F:..... V:..... T:.....	Item	1		
154	Substance abuse testing (breathalyser, etc)	Item			
155	F:..... V:..... T:.....	Item			
156	Facilities	Item			
157	Ablution(chemical/ mobile)	Item			
158	F:..... V:..... T:.....	Item	1		
159	Change house and lockers	Item			
160	F:..... V:..... T:.....	Item			
161	Shelter eating facility (tables, chairs, potable water)	Item			
162	F:..... V:..... T:.....	Item			
163	Site office/ space for Health& Safety personnel (table, chair)	Item			
164	F:..... V:..... T:.....	Item	1		
165	Security/ access control point (gate, gate keeper, guard house, etc)	Item			
166	F:..... V:..... T:.....	Item	1		

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Item No	Description	Unit	Quantity	Rate	Amount
167	HCS storage facilities (bund walls, cage, etc)	Item			
168	F:..... V:..... T:.....	Item	1		
169	HIV AIDS AWARENESS	Item			
170	Compliance with the requirements of the HIV AND AIDS specification	Item			
171	F:..... V:..... T:.....	Item	1		
PART E - OHS ACT COMPLIANCE: IMPLEMENTATION OF THE HEALTH AND SAFETY					
COVID-19: Compliance Management					
COVID-19 Related signage and posters					
172	F:..... V:..... T:.....	Item	1		
2 x 3ply cloth masks					
173	F:..... V:..... T:.....	Item	1		
Hand sanitizers with 70% alcohol content					
174	F:..... V:..... T:.....	Item	1		
Decontamination agents / surface sanitizers					
175	F:..... V:..... T:.....	Item	1		
Surgical Gloves (for security and cleaning team)					
176	F:..... V:..... T:.....	Item	1		
Non-contact thermometers					
177	F:..... V:..... T:.....	Item	1		
TOTAL PRELIMINARY AND GENERAL CARRIED FORWARD TO SUMMARY					

BILL OF QUANTITIES

Item No	Description	UNIT	Quantity	Rate	Amount
	<p><u>REFURBISHMENT WORKS</u></p> <p>PREAMBLES: (For preambles refer to "Specification of Materials and Methods to be used" PW 371)</p> <p>SUPPLEMENTARY PREAMBLES:</p> <p>The contractor shall, before commencing work, obtain all authorisation for carrying out the work by whatever means including the use of pneumatic equipment or blasting, give necessary notices and pay all charges and fees in connection therewith. He shall also comply with all regulations pertaining to rodent extermination and shall obtain the requisite Rodent Extermination Clearance Certificate and pay all necessary fees. All the abovementioned charges and fees shall be paid by the contractor and included in his prices.</p> <p>All tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered.</p> <p>No claim for a variation in the contract sum or the credit allowance for recoverable materials in respect of alteration/demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned. In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration/demolition work.</p> <p>The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>The Contractor shall provide and afterwards remove all necessary temporary tarpaulins, barricades, screens, fencing, temporary waterproofing, dust proofing, etc. required to isolate any sections of new or existing buildings for purposes of excluding users of the remainder of the building or any unauthorised persons all to the satisfaction of the Representative/Agent and remove when directed.</p> <p>The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur. Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service than suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Representative / Agent if any disconnection or alterations become necessary.</p> <p>The Contractor shall take all precautions to protect the existing roads, and gardens from damage during the course of the contract and on completion he shall clear away and make good all damage at his own expense.</p> <p>Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and making good finishes on both sides to match existing.</p> <p>Taking down existing walls is to include for dead shoring and propping under existing concrete slabs, beams, roof timbers, etc., for removing doors, windows, skirtings, curtain tracks, pelmets, cornices, etc. fixed to same and for making good to walls , floors, ceilings, etc. as described.</p>				

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Item No	Description	UNIT	Quantity	Rate	Amount
	<p>Removal of doors, windows, fittings, etc., is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc., for hacking up flooring at openings and for making good.</p> <p>Any water supply or other piping, etc. that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Representative/Agent.</p> <p>Unless specifically otherwise stated the descriptions of pipes shall be deemed to include fixing to the walls, etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p>Exposed surfaces of stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the principal agent thereof prior to backfilling</p> <p>The pipes shall be laid, backfilled, bedded, etc in accordance with SABS 1200</p> <p>Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p> <p>The Contractor shall remove from the site all material, rubble, debris, rubbish, etc. resulting from the alterations/demolitions.</p> <p>OLD MATERIALS TO BE CARTED AWAY : Old materials from alterations except where described to be re-used or handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p><u>TEMPORARY BARRIERS, SCREENS, ETC</u></p> <p><u>Temporary barriers, screens, etc including removal and disposal</u></p>				
1	<p>Screen barrier 1500mm including all necessary supports- corners, ends, etc</p> <p><u>DEMOLITIONS</u></p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>REMOVAL OF ELECTRICAL INSTALLATIONS</u></p>	m	60		
2	<p>Allow for disconnection and removal of electrical connections and fittings including lights, plugs, switches, gate motors, etc.</p> <p><u>ALLOWANCE FOR REMOVAL OF RUBBLE</u></p>	Item	1		
3	<p>Allow for removal of rubble from fire damage, during and on completion of refurbishment work</p>	Item	1		

BILL OF QUANTITIES

Item No	Description	UNIT	Quantity	Rate	Amount
4	<u>AIR-CONDITIONING</u>				
4.1	Supply and install 12000 BTU Alliance Mid-wall split units including all accessories. All to match the existing	No	2		
4.2	Supply componets and service cassette split air-con units	No	4		
4.3	Supply componets and service mid-wall split air-con units	No	10		
4.4	20mm PVC trunking to be fixed to the wall with 20mm PVC saddles	m	200		
4.5	Fixing trunking to the wall	No	14		
4.6	2.5mm twin and earth cable	m	300		
4.7	Terminate cable	No	14		
4.8	Supply and install 40W extractor fan in ablution including ducting and grill	m	4		
4.9	Supply and install amaflex insulation to exposed copper pipe on all wall mounted units	No	20		
4.10	Supply and install cable ties to strap together cables and pipes for cassette units in the ceiling	No	1		

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Item No	Description	UNIT	Quantity	Rate	Amount
5	<u>FIRE PROTECTION SYSTEMS</u>				
	Fire Hosereel main piping: including all fittings, hangers, supports, brackets, bracing, couplings and droppers to outlets				
5.1	Ø 32 galvanized Steel	m			
5.2	Ø 25 galvanized Steel	m	10		
5.3	Fire water storage tank with capacity of 2 400 litre	No	1		
5.4	Electric fire pump and controller complete with all fittings and accessories. 450kPa @ 1l/s	No	1		
	Fire extinguishers complete with backing boards and holding clips				
5.5	- 5 kg CO2	No	2		
5.6	FIRE SIGNAGE (PC AMOUNT)		1		
5.7	A log book to be installed in a holder and installed adjacent to master fire panel	No	2		
5.8	Provide zone diagram and associated signage, laminated and framed behind glass	No	2		
	Allow for the procurement, installation, testing and commissioning of fire detectors complete with base as follows:				
5.9	Optical detectors	No	12		
5.10	Heat detectors	No	4		
5.11	Allow for the procurement, installation, testing and commissioning of short circuit isolators to specification	No	2		
5.12	Allow for procurement and installation of galvanized steel conduit (with necessary couplings, junction boxes, etc.) in terms of the specifications.	No	20		
5.13	Allow for procurement and installation of junction boxes complete with relay, terminals, glands and labelled "fire system" for interface to lift and door hold open devices	No	6		
5.14	Allow for consumables and fixing devices for fire detection installation	Lot	1		
5.15	Allow for quality control in accordance with the conditions of contract	Lot	1		
5.16	Allow for one year's maintenance and guarantee in accordance with specifications	Lot	1		
5.17	Allow for all factors required for the testing, commissioning and handover of the fire detection system as specified	Lot	1		
5.18	Provision of 3 sets of documentation to be handed to client for the building all in compliance with specification and relevant codes of practice.	Item	3		
5.19	Allowance of a full days training of operators as specified	Lot	1		

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Item No	Description	UNIT	Quantity	Rate	Amount
7	<u>ELECTRICAL WORKS</u>				
7.1	25mm x 10mm lug	No			
7.2	Earth wire	m			
7.3	Earth spike & clamp	No			
7.4	Cbi 80A 3 pole MCB (Circuit breaker)	No			
7.5	ABB 63A 3 pole MCB XT1B 63	No			
7.6	Labelling cartridge(cassette)	No			
7.7	Flat twin & E - 2,5mm	m			
7.8	2ft L.E.D tubes	No			
7.9	10mm x 3 core cable	l			
7.10	1,5mm twin & E cable	l			
7.11	insulation tape	roll			
7.12	1,5mm crimping ferrules	No			
7.13	Electrical Installation	Sum			
	Solar System				
7.14	3,5kW Pylon tech battery	No			
7.15	Panels	No			
7.16	8 kW Sunsynk inverter	No			
7.17	Double pole AC surge arrestor	No			
7.18	Earth spike clamp & bolt	No			
7.19	Earth spike clamp	No			
7.20	60mm earth wire	m			
7.21	63A change over switch	No			
7.22	40A double pole circuit breaker	No			
7.23	32A single pole circuit breaker	No			
7.24	250A fuses and holders (DC)	No			
7.25	Panel flex	m			
7.26	6mm Fischer plugs	100			
7.27	40mm x 40mm PVC trunking	l			
7.28	25mm x 10mm crimping lugs	No			
7.29	Insulation tape	roll			
7.30	PV cable Red	m			
7.31	PV cable Black	m			
7.32	MC4 connectors	No			
7.33	20mm PVC adaptors	Pkt			
7.34	GP wire 6mm Red	m			
7.35	GP wire 6mm Black	m			
7.36	Solar system installation	Sum			

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Item No	Description	UNIT	Quantity	Rate	Amount
8	<u>CIVIL/STRUCTURAL WORKS</u>				
	Roof Assessment				
8.1	Remove all damaged overtile sheet metal Flashing and replace with Heunis Overtile Flashing (175x50x1800mm) or similar approved and make good	m	30		
8.2	Remove all broken Fascia Boards and replace with Fibre Cement Fascia Boards 10mm X 150mm x 3.6m or similar approved and make good	m	30		
8.3	Remove all existing PVC Gutters and replace with Galv. Steel Square Gutters 75mm X 100mm X 4.8m or similar approved	m	100		
8.4	Remove all existing PVC Downpipes and replace with Galv. Steel Round Downpipe 75mm X 2.7m soldered shoe or similar approved	m	50		
8.5	Remove all damaged Roof Sheetting and replace with 0.6mm Chromadek sheetting or similar approved	No	3		
	RC Roof Slab				
8.6	Remove deteriorated Waterproofing on RC Slab and replace with Icopal Paraplast S torch-on waterproofing similar approved	m ²	380		
8.7	Remove exist PVC 30mm Outlet pipes and replace with Flanged PVC Outlet 75mm or similar approved	m	2		
8.8	Widen cracks on RC Beam, clean all loose material and seal with Sika Armatec or similar approved	m	20		
8.9	Widen cracks RC Slab, inspect for exposed rebar and remove all loose material and seal RC Slab with Sika Armatec or similar approved	m	20		
8.10	Paint Slab area to the satisfaction of the engineer. One coat "Super Acrylic PVA" paint to be used. Colour to match/same as existing.	m ²	300		
	RC Ramp and Staircase				
8.11	Remove existing ramp and cart rubble away and build New Concrete staircase at Main Entrance complete with Handrailings non-slip concrete finish	m ³	1		
8.12	Remove all loose stones on existing ramp and build New Concrete Ramp at the Main Entrance complete with handrailings and concrete non-slip finish	m ³	2		
	Weepholes				
8.13	Drill 50mm diameter holes through RC Wall insert 30mm dia. perforrated PVC pipe 1m long wrapped in bidem - staggered	No	30		
8.14	Remove loffelstein blocks at positions of weephole and insert 30mm dia perforrated PVC pipe wrapped in bidem - staggered	No	30		
	Flower Beds				
8.15	Remove cracked 20x250mm plaster on the flower beds and cart away	m ³	0,5		
8.16	Replace with new precast wall coping 1m long	No	50		
	Ceiling				
8.17	Remove all Suspended ceilings and replace with Gyproc Rhinobboards (6.4x1200x3000mm) or similar approved	m ²	350		
8.18	Paint Ceiling to the satisfaction of the engineer. One coat "Super Acrylic PVA" paint to be used. Colour to match/same as existing.	m ²	350		
	Internal and External Walls				
8.19	Remove plaster as directed by engineer, Clean exposed area and replaster and make good	m ²	200		
8.20	Paint External Walls and Boundary Wals to the satisfaction of the engineer. One coat "Super Acrylic PVA" paint to be used. Colour to match/same as existing.	m ²	550		
8.21	Paint Internal Walls to the satisfaction of the engineer. One coat "Super Acrylic PVA" paint to be used. Colour to match/same as existing.	m ²	850		
	Tiling				
8.22	Removed chipped, cracked & broken tiles at Reception and Replace with new 600x600 non-slip Harmony grey ceramic tiles to match or similar approved	m ²	150		
8.23	Removed chipped, cracked & broken tiles at Toilet and Replace with new 300x300 Zorah Stone ceramic tiles to match or similar approved	m ²	150		
	Plumbing				
8.24	Install new S-trap at Kitchen sink complete with new sink	No	1		
8.25	Repalce all copper pipes from the Geyser	m	20		
8.26	New 200l Geyser complete with brackets	No	1		
8.27	Remove existing sewer line and replace with new PVC pipes at improved slopes	m	60		

BILL OF QUANTITIES

Item No	Description	UNIT	Quantity	Rate	Amount
	Carpentry				
8.28	Main Entrance door Aluminium	No	1		
8.29	Toilet Cabinets complete with one shelf and doors	No	4		
8.30	Kitchen Cabinets to match existing or similar approved	No	1		
	Stormwater Management				
8.31	Install new gulleys at downpipe positions or as directed by engineer complete with drainage pipes	No	10		
8.32	Remove deteriorated pavers and replace with new pavers	No	200		
8.33	Remove exist concrete & tiles at the entrance and cartaway	m ³	10		
8.34	Build new Catchpits with brickwork complete with grating and benching or similar approved	No	4		
8.35	Lay Stormwater 200mm PVC pipes to falls, on compacted bedding complete with Fittings, junctions, etc to connect to municipal system or similar approved	m	100		
8.36	Construct new Manholes brickwork complete with benching and manhole covers or similar approved	No	4		
	Irrigation				
8.37	Lay 50mm Dia. PVC Irrigation pipes complete with fittings, junctions, etc and make good	m	100		
8.38	Install new Rainbird Irrigation Sprinklers as directed by engineer or similar approved	No	10		
Total Carried to Summary :					

BILL OF QUANTITIES

Item No	Description	UNIT	Quantity	Rate	Amount
	<u>PROVISIONAL AMOUNTS</u>				
	<u>BILL NO. 1</u>				
	<u>PROVISIONAL SUMS</u>				
	<u>PROVISIONAL AMOUNTS</u>				
	All provisional sums are nett and exclude builder's discount. The contractor is referred to the preliminaries in this regard. The contractor is to allow for profit and attendance under the relevant item and must note that he is required to allow for giving every facility to, attending upon, profit and making good in all trades after the specialists have completed their work.				
	<u>ADDITIONAL WORKS</u>				
1	Allowance for additional material, labour, etc,	Item	1	R30 000,00	R30 000,00
2	Allow for profit	%			
3	Allow for attendance	%			
	<u>SAFETY OFFICER</u>				
4	Provide the sum for Safety Officer to be used as directed by the principal agent and deducted in whole or in part if not required	Item	1	R20 000,00	R20 000,00
5	Allow for attendance	%			
	<u>ADDITIONAL TEST</u>				
6	Provide the sum for additional tests to be used as directed by the principal agent and deducted in whole or in part if not required	Item	1	R20 000,00	R20 000,00
7	Allow for profit	%			
Total Carried to Summary :					

NLC MPUMALANGA OFFICE REPAIR WORKS



BILL OF QUANTITIES

[illegible]

Contractor's Name:
CRS Number:
CIDB Grade (s):

Name of person authorised to sign the tender:

Signature of person authorised to sign the tender: