



higher education  
& training

Department:  
Higher Education and Training  
REPUBLIC OF SOUTH AFRICA

## SUPPLY, INSTALLATION AND COMMISSIONING OF STANDBY GENERATOR

### BILLS OF QUANTITIES

TENDERER NAME: .....

.....

TENDER AMOUNT INCLUDING VAT: .....

#### PREPARED FOR:

##### TALETSO TVET COLLEGE

North-West Province  
Dr Albert Luthuli Drive  
Contact Name: Edward Geldenhuys

#### PREPARED BY:

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<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b><u>SECTION NO. 1</u></b>	H1			
<b><u>BILL NO. 1</u></b>	H1			
<b><u>PRELIMINARIES</u></b>	H1			
<b><u>CONDITIONS OF CONTRACT AND PRELIMINARIES</u></b>	H1			
<b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b>	H2			
The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described				
The JBCC Principal Building Agreement contract data form an integral part of this agreement				
The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described				
The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause				
The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only				
Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"				
Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the above-mentioned documents.				

**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b><u>PREAMBLES FOR TRADES</u></b>	H2			
<b><u>User note</u></b>	H4			
The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. Where such preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications				
Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same				
The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future				
The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained				
Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles				

<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications				
<b><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></b>	H2			
Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement				
Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries				
Section C : Any special clauses to meet the particular circumstances of the project				
<b>PRICING OF PRELIMINARIES</b>	H2			
Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)				
<b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b>	H2			
<b><u>Interpretation (A1-A7)</u></b>	H3			
Clause 1.0 - Definitions and interpretation	CONT			
Definition of agreement	CONT			
The definition of agreement is replaced with the following definition: "AGREEMENT : The JBCC Principal Building Agreement, the completed JBCC PBA contract data, the contract drawings, the priced documents and any other documents reduced to writing and signed by the parties"	CONT			

**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Pricing of bills of quantities	CONT			
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, transporting, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities	CONT			
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	CONT			
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	CONT			
Abbreviated descriptions	CONT			
The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice	CONT			
Legal status of contractor	CONT			

**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:	CONT			
1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement	CONT			
2. These persons shall notify the employer of their leader who has authority to bind the contractor and each of these persons	CONT			
3. The contractor shall not alter its composition or legal status without the prior written consent of the employer	CONT			
Errata by JBCC Omit from definition of construction period the words : "excluding annual holiday periods" Omit from definition of preliminaries the word : "priced"	CONT			
F:..... V:..... T:.....	Item			
Clause 2.0 - Law, regulations and notices User note Insert the following where a health and safety specification is available	CONT			
Health and safety	CONT			
Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]	CONT			

**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works (refer to Annexure 3 for a copy of the relevant specification) 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 provisions of the aforementioned health and safety specification [2.1].	CONT			
The contractor shall: 1. Comply with the health and safety specification for the works (Annexure 3) 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				
Occupational Health and Safety F:..... V:..... T:.....	Item	1		
HSE Manager F:..... V:..... T:.....	Item	1		
HSE Officer F:..... V:..... T:.....	Month	3		
Induction Officer F:..... V:..... T:.....	Item	1		
HSE Representatives F:..... V:..... T:.....	Month	3		
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				
Clause 5.0 - Contract documents	CONT			
Value Added Tax	CONT			

<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)	CONT			
Contract drawings	CONT			
The contract drawings are as listed on the contents page of the bills of quantities [5.1]	CONT			
Contract drawings Refer to an Annexure for a list of the contract drawings [5.1]	CONT			
Priced document as specification Clause 5.3 is deemed to be deleted	CONT			
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	CONT			
Electronic issue of drawings. Where applicable, all drawings for this project will be issued electronically upon request from the contractor coupled with a proof of payment for the tender document. The contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.5]	CONT			
Precedence 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]	CONT			
F:..... V:..... T:.....	Item			
Clause 6.0 - Employer's agents	CONT			
Delegated authority	CONT			
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]:	CONT			
<b>1. Architect</b>	<b>CONT</b>			



<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.1 Duties : The architect is responsible for the architectural design, functional design and quality inspection of the works	CONT			
1.2 Contract instructions [17.0] :	CONT			
1.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
1.2.3 The site [13.2.4]	CONT			
1.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
1.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
1.2.6 Opening up of work for inspection, removal or re-execution	CONT			
1.2.7 Removal or re-execution of work	CONT			
1.2.8 Removal or substitution of any materials and goods	CONT			
1.2.9 Protection of the works	CONT			
1.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
1.2.11 Rectification of defects [21.2]	CONT			
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	CONT			

<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
1.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
1.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
1.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
1.2.17 Access by other or previous contractors to remedy defective work	CONT			
1.2.18 Removal from the site of any person employed on the works	CONT			
1.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
1.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>2. Quantity surveyor</b>	<b>CONT</b>			
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	CONT			
2.2 Contract instructions [17.0] :	CONT			
2.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
2.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
2.2.3 The site [13.2.4]	CONT			

<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
2.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
2.2.6 Opening up of work for inspection, removal or re-execution	CONT			
2.2.7 Removal or re-execution of work	CONT			
2.2.8 Removal or substitution of any materials and goods	CONT			
2.2.9 Protection of the works	CONT			
2.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
2.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
2.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
2.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
2.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
2.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
2.2.17 Access by other or previous contractors to remedy defective work	CONT			
2.2.18 Removal from the site of any person employed on the works	CONT			

<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
2.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>3. Civil and structural engineer</b>	<b>CONT</b>			
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	CONT			
3.2 Contract instructions [17.0] :	CONT			
3.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
3.2.3 The site [13.2.4]	CONT			
3.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
3.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
3.2.6 Opening up of work for inspection, removal or re-execution	CONT			
3.2.7 Removal or re-execution of work	CONT			
3.2.8 Removal or substitution of any materials and goods	CONT			
3.2.9 Protection of the works	CONT			
3.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			

<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
3.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
3.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
3.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
3.2.17 Access by other or previous contractors to remedy defective work	CONT			
3.2.18 Removal from the site of any person employed on the works	CONT			
3.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
3.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>4. Mechanical engineer</b>	<b>CONT</b>			
4.1 Duties : The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works ?and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions?	CONT			
4.2 Contract instructions [17.0] :	CONT			

<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
4.2.3 The site [13.2.4]	CONT			
4.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
4.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
4.2.6 Opening up of work for inspection, removal or re-execution	CONT			
4.2.7 Removal or re-execution of work	CONT			
4.2.8 Removal or substitution of any materials and goods	CONT			
4.2.9 Protection of the works	CONT			
4.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
4.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
4.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
4.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			

<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
4.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
4.2.17 Access by other or previous contractors to remedy defective work	CONT			
4.2.18 Removal from the site of any person employed on the works	CONT			
4.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
4.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>5. Electrical engineer</b>	<b>CONT</b>			
5.1 Duties : The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works ?and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions?	CONT			
5.2 Contract instructions [17.0] :	CONT			
5.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
5.2.3 The site [13.2.4]	CONT			
5.2.4 Compliance with the law, regulations and by laws [2.1]	CONT			

**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
5.2.6 Opening up of work for inspection, removal or re-execution	CONT			
5.2.7 Removal or re-execution of work	CONT			
5.2.8 Removal or substitution of any materials and goods	CONT			
5.2.9 Protection of the works	CONT			
5.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
5.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
5.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
5.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
5.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
5.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
5.2.17 Access by other or previous contractors to remedy defective work	CONT			
5.2.18 Removal from the site of any person employed on the works	CONT			
5.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			



**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
6. Fire consultant	CONT			
6.1 Duties : The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works	CONT			
6.2 Contract instructions [17.0] :	CONT			
6.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
6.2.3 The site [13.2.4]	CONT			
6.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
6.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
6.2.6 Opening up of work for inspection, removal or re-execution	CONT			
6.2.7 Removal or re-execution of work	CONT			
6.2.8 Removal or substitution of any materials and goods	CONT			
6.2.9 Protection of the works	CONT			
6.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
6.2.11 Rectification of defects [21.2]	CONT			

<b>BILL NO. 1:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LEHURUTSHE CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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	CONT			
6.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
6.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
6.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
6.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
6.2.17 Access by other or previous contractors to remedy defective work	CONT			
6.2.18 Removal from the site of any person employed on the works	CONT			
6.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
6.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
7. Health and safety consultant	CONT			
7.1 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:	CONT			
7.1.1 Act as the employer's agent in terms of Construction Regulations issued in terms of the Occupational Health and Safety Act,1993	CONT			

**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7.1.2 Prepare and update the health and safety specification for the works	CONT			
7.1.3 Agree with the contractor the health and safety plan for the works	CONT			
7.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the Act and Regulations	CONT			
7.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to	CONT			
F:..... V:..... T:.....	Item			
Clause 7.0 - Design responsibility F:..... V:..... T:.....	Item			
Insurance and security (A8-A11)	H3			
Clause 8.0 - Works Risk F:..... V:..... T:.....	Item	1		
Clause 9.0 - Indemnities F:..... V:..... T:.....	Item	1		
Clause 10.0 - Insurances F:..... V:..... T:.....	Item	1		
Clause 11.0 - Security	CONT			
Security for payment	CONT			
Where it is expected of the contractor to waive his lien in terms of clause 11.10, the waiver of lien may be extended to subcontracts as follows:				
Extension of waiver of lien	CONT			
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]	CONT			

**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Errata by JBCC Clause 11.5 Replace "ten (10)" with "five (5)"	CONT			
F:..... V:..... T:.....	Item			
Execution (A12 - A17)	H3			
Clause 12.0 - Duties of the parties	CONT			
Provisions of clauses 12.1.2 to 12.1.6 and 12.2.18	CONT			
Refer to the contract data, the Preliminaries document and "Section B : Preliminaries" of this Bill No. 1 with reference to the provisions of clauses 12.1.2 to 12.1.6 and 12.2.18 of the JBCC Principal Building Agreement				
Office accommodation The contractor shall provide, maintain and remove on practical completion all workshops, equipment, storer, air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site to accommodate approximately 20 people, minimum size 9180x 3680x3000mm high internally, suitably insulated, drawing stool, drawing board and lock-up drawers for drawings. Such offices shall be hoarded temporarily with fencing as per Architect's specification and kept clean and fit for use at all times. [12.2.18]	CONT			
12.1.15 Subcontractors' notice board [6.6] A notice board is required YES/NO Specific requirements: <b>(NO)</b>				
Notice board The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18] [See drawing: MCS-PH2-SB-101]	CONT			

**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 12.1.5 requires the employer to identify access to water, sewer, stormwater and/or electricity connections to the site. Should such information be available then it is to be stated here or in the contract data in detail with a suitable heading in bold. Reference as [12.1.5]. The user should, however, note that clauses 8.1 and 8.2 of the Preliminaries state that the employer does not warrant that any water or electricity supplies that may exist are adequate for the proper execution of the works. Any ambiguity in this respect is to be dealt with	CONT			
Should access to water, sewer, stormwater and/or electricity connections not be identifiable due to such information not being available or the specific requirements of the contractor cannot be determined, then the following clause may be considered in which event a qualified tender may be expected	CONT			
Access to water, sewer, stormwater and electricity connections				
The employer is not in a position to identify access to water, sewer, stormwater and/or electricity connections to the site as may be suitable for the execution of the works. The contractor is to allow what he considers to be required and is to qualify his tender in detail in this regard, failing which it shall be taken that the contractor has allowed what will be required for the execution of the works. In such case no claims for additional cost or loss shall be entertained [12.1.5]	CONT			
Statutory and other notices	CONT			
Statutory and other notices which the contractor must submit and/or comply with before possession of the site can be given are to be stated here or in the contract data. Reference [12.1.6]				
The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard [12.1.6]	CONT			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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	CONT			
Errata by JBCC Clause 12.2.17 Omit the words "[CD] within ten (10) working days"	CONT			
F:..... V:..... T:.....	Item			
Clause 13.0 - Setting out F:..... V:..... T:.....	Item	1		
Clause 14.0 - Nominated subcontractors	CONT			
Errata by JBCC Clause 14.1.4 Reference should read "[17.1.14]" Clause 14.6 Reference should read "[17.1.15; 27.1.8]" Clause 14.7.2 Reference should read "[27.1.8]" Clause 14.7.3 Reference should read "[27.2.8]"	CONT			
F:..... V:..... T:.....	Item			
Clause 15.0 - Selected subcontractors	CONT			
Errata by JBCC Clause 15.2 Reference should read "[17.1.14]" Clause 15.7.2 Reference should read "[27.1.8]" Clause 15.7.3 Reference should read "[27.2.8]"	CONT			
F:..... V:..... T:.....	Item			
Clause 16.0 - Direct contractors Attendance on direct contractors In respect of direct contractors the contractor shall:	CONT			
1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials	CONT			
2. Allow the use of personnel welfare facilities, where provided	CONT			
3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct	CONT			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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]	CONT			
Errata by JBCC Clause 16.1.3 Reference should read "[26.5]"	CONT			
F:..... V:..... T:.....	Item			
Clause 17.0 - Contract instructions Site 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	CONT			
Errata by JBCC Clause 17.1.3 Reference should read "[13.2.4]"	CONT			
F:..... V:..... T:.....	Item			
<u>Completion (A18 - A24)</u>	H3			
Clause 18.0 - Interim completion F:..... V:..... T:.....	Item			
Clause 19.0 - Practical completion F:..... V:..... T:.....	Item			
Clause 20.0 - Sectional completion	CONT			
Errata by JBCC Clause 20.2.2 Reference should read "[21.6.2]"	CONT			
F:..... V:..... T:.....	Item			
Clause 21.0 - Defects liability period and final completion	CONT			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Errata by JBCC Clause 21.1 Delete the word "final" in the second last line Reference should read "[21.6.1]" Clause 21.9 Reference should read "[21.4 ; 21.6.1]"	CONT			
F:..... V:..... T:.....	Item			
Clause 22.0 - Latent defects liability period F:..... V:..... T:.....	Item			
Clause 23.0 - Revision of date for practical completion Substitution of materials and goods The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8, 23.1 & 2]	CONT			
Errata by JBCC Clause 23.2 Reference should read "[26.7]" Clause 23.2.1 Reference should read "[12.1.7]"	CONT			
F:..... V:..... T:.....	Item			
Clause 24.0 - Penalty for late or non-completion F:..... V:..... T:.....	Item			
<b>Payment (A25 - A27)</b>	H3			
Clause 25.0 - Payment	CONT			
Materials and goods prematurely on site Materials and goods brought onto the site prematurely shall not be authorised for payment [25.3.2]	CONT			
Materials and goods stored off site Materials and goods stored off site shall be authorised for payment subject to a guarantee for advance payment being provided to the employer [25.3.2]	CONT			
Fluctuations in costs All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [25.3.4]	CONT			



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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Prices submitted 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	CONT			
Errata by JBCC 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"	CONT			
F:..... V:..... T:.....	Item			
Clause 26.0 - Adjustment of the contract value and final account	CONT			
Tenant installations/users requirements delayed There is a 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	CONT			
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	CONT			
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 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 with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works	CONT			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Cost of claims 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	CONT			
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]	CONT			
Errata by JBCC Clause 26.4.2 Omit the entire clause and renumber thereafter New clause 26.4.3 "Other proven or unavoidable costs"	CONT			
F:..... V:..... T:.....	Item			
Clause 27.0 - Recovery of expense and/or loss F:..... V:..... T:.....	Item			
<u>Suspension and termination (A28 - A29)</u>	H3			
Clause 28.0 - Suspension by the contractor	CONT			
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	CONT			
F:..... V:..... T:.....	Item			
Clause 29.0 - Termination	CONT			
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]" Clause 29.14.2 Reference should read "[12.1.7]" New clause 29.14.8 "Or where an agent has failed to act in terms of this agreement [6.4]"	CONT			
F:..... V:..... T:.....	Item			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>Dispute resolution (A30)</u>	H3			
Clause 30.0 - Dispute resolution F:..... V:..... T:.....	Item			
Agreement The second sentence of the introduction where the parties sign the agreement, namely "Any provision in this agreement..... acceptance by such subcontractor at any time." is deemed to be deleted	CONT			
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 F:..... V:..... T:.....	Item			
Contract data	CONT			
Before submission of his tender the contractor is to complete the tenderer's selection in the contract data	CONT			
F:..... V:..... T:.....	Item			
<u>SECTION B: PRELIMINARIES</u>	H2			
<u>Interpretation (B1)</u>	H3			
Clause 1.1 - Definitions F:..... V:..... T:.....	Item			
Clause 1.2 - Interpretation F:..... V:..... T:.....	Item			
<u>Documents (B2)</u>	H3			
Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item			
Clause 2.2 - Provisional bills of quantities	CONT			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Multiple procurement: These bills of quantities are in multiple procurement format i.e the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally measured and the subsequent trades are budgetary allowances and/or provisional sums F:..... V:..... T:.....	Item			
Clause 2.3 - Availability of construction information Budgetary allowances and provisional sums The budgetary allowances and provisional sums allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of subcontractors during the construction period F:..... V:..... T:.....	Item			
Clause 2.4 - Ordering of materials and goods F:..... V:..... T:.....	Item			
<u>Previous work and adjoining properties (B3)</u>	H3			
Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item			
Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item			
Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item			
<u>The site (B4)</u>	H3			
Clause 4.1 - Defined works area F:..... V:..... T:.....	Item			
Clause 4.2 - Handover of site in stages F:..... V:..... T:.....	Item			
Clause 4.3 - Enclosure of the works F:..... V:..... T:.....	Item			
Clause 4.4 - Geotechnical investigation F:..... V:..... T:.....	Item			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 4.5 - Encroachments F:..... V:..... T:.....	Item			
Clause 4.6 - Existing premises occupied F:..... V:..... T:.....	Item			
Clause 4.7 - Services - known F:..... V:..... T:.....	Item			
Clause 4.8 - Protection of trees and/or relevant natural features F:..... V:..... T:.....	Item			
<u>Management of contract (B5)</u>	H3			
Clause 5.1 - Management of the works F:..... V:..... T:.....	Months	3		
Clause 5.2 - Progress meetings F:..... V:..... T:.....	Months	3		
Clause 5.3 - Technical meetings F:..... V:..... T:.....	Months	3		
Samples, shop drawings and manufacturer's instructions (B6) This item shall include the provision of set of the Installation, Operation and Maintenance Manual (hard copies and soft copy in a CD)	H3			
Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	1		
Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	1		
Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	1		
Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item			
Deposits and fees (B7)	H3			
Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item			
Temporary services (B8)	H3			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 8.1 - Water F:..... V:..... T:.....	Item			
Clause 8.2 - Electricity F:..... V:..... T:.....	Item			
Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Months	3		
Clause 8.4 - Communication facilities F:..... V:..... T:.....	Months	3		
<u>Prime cost amounts (B9)</u>	H3			
Clause 9.1 - Responsibility for prime cost amounts	CONT			
Where details of materials for which prime cost amounts are to be allowed are readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste, etc F:..... V:..... T:.....	Item			
<u>Attendance on subcontractors (B10)</u>	H3			
Clause 10.1 - General attendance F:..... V:..... T:.....	Item			
Clause 10.2 - Special attendance	CONT			
It is important to note that general attendance only requires the contractor to "permit the subcontractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right while it remains erected on the site" (refer to 12.2.13 of the JBCC n/s subcontract agreement). Many n/s subcontractors qualify their tenders to exclude scaffolding and/or hoisting facilities. Especially scaffolding could be an expensive item and it may be necessary in order to avoid claims to require the contractor to provide for the extended use of scaffolding for specific subcontracts within a description of "special attendance" in the applicable bill F:..... V:..... T:.....	Item			
<u>General (B11)</u>	H3			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 11.1 - Protection of the works F:..... V:.....T:.....	Item	1		
Clause 11.2 - Protection/isolation of existing/sectionally occupied works F:..... V:..... T:.....	Item	1		
Clause 11.3 - Security of the works F:.....V:..... T:.....	Item	1		
Clause 11.4 - Notice before covering work F:..... V:..... T:.....	Item			
Clause 11.5 - Disturbance F:..... V:..... T:.....	Item			
Clause 11.6 - Environmental disturbance F:..... V:..... T:.....	Item			
Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item			
Clause 11.8 - Vermin F:..... V:..... T:.....	Item			
Clause 11.9 - Overhand work F:..... V:..... T:.....	Item			
Clause 11.10 - Tenant installations by direct contractors F:..... V:..... T:.....	Item			
Clause 11.11 - Advertising F:..... V:..... T:.....	Item			
<u>Preliminaries schedule (B12)</u>	H3			
Information for completion of the preliminaries schedule Information necessary for elections and completion of those clauses contained in the preliminaries schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract	CONT			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
12.1 - Provisional bills of quantities [2.2] The quantities are provisional: Yes				
12.2 - Availability of construction information [2.3] Construction documentation is complete: Yes				
12.3 - Previous work - dimensional accuracy [3.1]				
12.4 - Previous work - defects [3.2]				
12.5 - Inspection of adjoining properties [3.3]				
12.6 - Defined works area [4.1]				
12.8 - Enclosure of the works [4.3]				
12.9 - Geotechnical investigation [4.4]				
12.10 - Existing premises occupied [4.6]				
12.11 - Services - known [4.7]				
12.12 - Protection of trees and/or relevant natural features [4.8]				
12.13 - Water [8.1] Option A (by contractor): Yes Option B (by employer - free of charge): No Option C (by employer - metered) : No				
12.14 - Electricity [8.2] Option A (by contractor): Yes Option B (by employer - free of charge): No Option C (by employer - metered): No				
12.15 - Ablution and welfare facilities [8.3] Option A (by contractor): Yes Option B (by employer): No				
12.16 - Communication facilities [8.4]				
12.17 - Protection of the works [11.1]				



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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
12.18 - Protection/isolation of existing/sectionally occupied works [11.2] Protection/isolation is required: Yes				
12.19 - Disturbance [11.5]				
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				
12.20 - Environmental disturbance [11.6]				
Controlling all forms of pollution 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				
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				
Environmental management plan The employer has prepared an environmental management plan (EMP) (refer to Annexure 4 for a copy of the relevant plan). The contractor shall price opposite this item for compliance with all the requirements of such EMP				
F:..... V:..... T:.....	Item			
SECTION C: SPECIFIC PRELIMINARIES	H2			
Warranties for materials and workmanship Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty,	CONT			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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				
The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical 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	CONT			
The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor F:..... V:..... T:.....	Item			
Overtime Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer F:..... V:..... T:.....	Item			
Co-operation of the contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget F:..... V:..... T:.....	Item			
Overloading The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be	Item			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
made good by the contractor at his sole expense F:..... V:..... T:.....				
Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....	Item			
Testing of flat roof waterproofing for watertightness Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least forty (40) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F:..... V:..... T:.....	Item			
Broad based black economic empowerment (BBBEE) Tenders submitted will be evaluated taking into account their empowerment rating The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works	CONT			
The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating F:..... V:..... T:.....	Item			
Subcontracting as condition of tender: Sub-Contracting may only be 30% of the value of the contract to- (a) an EME or QSE; · an EME or QSE which is at least 51% owned by black people; · an EME or QSE which is at least 51% owned by black people who are youth; · an EME or QSE which is at least 51% owned by black people who are women; · an EME or QSE which is at least 51% owned by black people with disabilities; · an EME or QSE which is 51% owned by black people living in rural or	CONT			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
underdeveloped areas or townships; · a cooperative which is at least 51% owned by black people; · an EME or QSE which is at least 51% owned by black people who are military veterans; or (i) more than one of the categories referred to in paragraphs (a) to (h). · The organ of state must make available the list of all suppliers registered on a database approved by the National Treasury to provide the required goods or services in respect of the applicable designated groups mentioned in subregulation (2) from which the tenderer must select a supplier. The employer will be monitoring the contracting of the works of the contractor throughout the execution of the works				
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 the 30% contracting of works: F:..... V:..... T:.....	Item			
Advertising rights The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. Position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting the obligations under this agreement F:..... V:..... T:.....	Item			
Confidentiality The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F:..... V:..... T:.....	Item			
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	Item			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media F:..... V:..... T:.....				
C2.0 GENERAL PREAMBLES 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 Fixed: ____ Value related: ____ Time related: ____	Item			
C3.0 TRADE NAMES 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 Fixed: ____ Value related: ____ Time related: ____	Item			
C4.0 IMPORTED MATERIALS AND EQUIPMENT 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 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) Fixed: ____ Value related: ____ Time related: ____	Item			
<b>SUMMARY OF CATEGORIES</b>	H3			
Category : Fixed R.....				
Category : Value R.....				
Category : Time R.....				

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>ABBREVIATIONS</u>	H2			
C.M. Shall mean cubic metre S.M. Shall mean square metre L.M. Shall mean linear metre MM Shall mean Millimetre Kg. Shall mean Kilogramme No. Shall mean Number Prs. Shall mean Pairs LI Shall mean Labour Intensive (EPWP items) S.S.M Shall mean the Standard System of Measuring Building works Ditto - Shall mean the whole of the preceding description except as qualified in the description in which it occurs. m.s - Shall mean measured separately. Provisional sum-shall mean a cost to cater for all the described item(s)				
<b>EMPLOYER : TALETSO TVET COLLEGE</b>				
<b>PRINCIPAL AGENT: SOLENG (PTY) LTD</b>				
<u><b>CONTRACTING AND OTHER PARTIES</b></u>	H3			
Employer:				
Principal Agent: SOLENG (PTY) LTD				
Agent (1): Architect				
Agent (2): Quantity Surveyor				
Agent (3): Civil Engineers				
Agent (4): Electrical Engineer				
Agent (5): Structural Engineer				
Agent (6): Occupational Health and Safety				
<b>CONTRACT DETAILS</b>	H3			
Works description: Conversion of the existing offices into residentials				
<b>Site description: Taletso TVET College (Lehurutshe)</b>				
Work or installations by direct contractors Refer to Contract Data				
Possession of the site is intended to be given on: As per contract data				

**BILL NO. 1:****SECTION 1: PRELIMINARIES AND GENERALS****LEHURUTSHE CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Period for the commencement of the Works after the Contractor takes possession of the site <b>3 months</b> (To be calculated in calendar days)				
For the works as a whole: The date for practical completion and the liquid damages per calendar day. The work programme and cash-flow to be submitted within seven calendar days after site possession and will form part of the deliverable milestones. Failure to meet these shall be deemed to be in breach of contract. Should the contractor fail to submit both within this period, the Project manager shall impose both and the contractor shall have seven working days to counter such with an acceptable programme and cash-flows. Acceptability shall be solely decided by the Project manager Date for practical completion: 12 months (To be calculated in calendar days) from site possession Penalties per calendar day: <b>R1500</b>				
For the works in sections: Not applicable.				
<b>Total Preliminaries Carried forward to Summary</b>				

**BILL NO. 1:****SECTION 2: STANDBY GENERATOR SUPPLY & INSTALLATION****LEHURUTSHE CAMPUS**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<p>The Contractor shall supply, install, and commission according to tender specifications. The rates shall include material, labour, all mounting and accessories, including connection to the point of supply. Supplier shall also provide to the client a 12 Month Guarantee on Equipment and workmanship for all work completed from date of successful commissioning. The installation shall be erected and tested in accordance with the following Acts and regulations: <b>a)</b> The latest issue of SABS 0142: “Code of Practice for the Wiring of Premises”, <b>b)</b> The Occupational Health and Safety Act, 1993 (Act 85 of 1993) as amended, <b>c)</b> The Local Government Ordinance 1939 (Ordinance 17 of 1939) as amended and the municipal by-laws and any special requirements of the local supply authority, <b>d)</b> The Fire Brigade services Act 1993 Act 99 of 1987 as amended, <b>e)</b> The National Building Regulations and Building Standards Act 1977 (Act 103 of 1977) as amended, <b>f)</b> The Post Office Act 1958 (Act 44 of 1958) as amended, <b>g)</b> The Electricity Act 1984 (Act 41 of 1984) as amended and <b>h)</b> The Regulations of the local Gas Board where applicable.</p>					
<b>1</b>	<b>STANDBY GENERATOR</b>				
1.1	<b>200 KVA</b>				
	200 KVA Prime Power (220 KVA Standby power), Three Phase (230/415V, 50Hz, 1500 rpm) Diesel Generator – Cummins Engine (OR SIMILAR APPROVED).- Brushless alternator with AVR, including Digital controller with auto and manual start options, silent canopy with lockable doors, Automatic Changeover Switch (ATS), maintenance free batteries and trickle charger, four-way protection system, harmonic filters, earlier of one year/1000-hour warranty. The fuel tank capacity shall be not less than 600 litres.				
1.1.1	Supply and Delivery of Specified Generator including initial 600L of Diesel	No	1		
1.1.2	Complete Installation and Commissioning of Generator.	No	1		
1.1.3	Allow for 12 months maintenance & guarantee	Sum	1		
1.1.4	Providing a set of all factory and site certificates: Tests and Commissioning results	Sum	1		



**BILL NO. 1:****SECTION 2: STANDBY GENERATOR SUPPLY & INSTALLATION****LEHURUTSHE CAMPUS**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.2	<b>PREFAB CONCRETE SLAB</b>				
	Complete 3300 x 1300 x 400 Thick precast 10 Mpa concrete slab to carry the above generator (3100 Kg)				
1.2.1	Supply	No	1		
1.2.2	Install	No	1		
<b>2</b>	<b>EMERGENCY POWER SUPPLY DISTRIBUTION BOARD</b>				
	GROUND MOUNTED DISTRIBUTION BOARD				
	Complete 600x600 steel box equipped with 4 x 60A 3P and Main adjustable 380/400A 3P 10KA Circuit Breakers. The board must allow 30% of free space for spare and ventilation. The board must have a precast plinth				
2.1	Supply	No	1		
2.2	Install	No	1		
<b>3</b>	<b>LOW VOLTAGE CABLES</b>				
	<b>FROM LV BUS BAR TO CHANGEOVER PANEL</b>				
3.1	Supply and installation of 4-core 70 mm <sup>2</sup> PVC insulated, PVC bedded, SWA PVC sheathed 600/1000 V manufactured to SANS 1507 - 3 including mounting accessories and terminations				
3.1.1	Supply	m	50		
3.1.2	Install	m	50		
3.2	Supply and installation of 50mm <sup>2</sup> Bare Conductor Earth Wire (BCEW), mounting accessories and terminations				
3.2.1	Disconnect the main supply from the existing Circuit Breakers	No	1		
3.2.2	Supply	m	25		

**BILL NO. 1:****SECTION 2: STANDBY GENERATOR SUPPLY & INSTALLATION****LEHURUTSHE CAMPUS**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.2.3	Install	m	25		
	<b>FROM CHANGEOVER PANEL TO EXISTING MAIN CB OR EMERGENCY DISTRIBUTION BOARD</b>				
3.3	Supply and installation of 4-core 70 mm <sup>2</sup> PVC insulated, PVC bedded, SWA PVC sheathed 600/1000 V manufactured to SANS 1507 - 3 including mounting accessories and terminations				
3.3.1	Supply	m	20		
3.3.2	Install	m	20		
3.4	Supply and installation of 50mm <sup>2</sup> Bare Conductor Earth Wire (BCEW), mounting accessories and terminations				
3.4.1	Supply	m	20		
3.4.2	Install	m	20		
	<b>FROM EMERGENCY DISTRIBUTION BOARD TO EXISTING 4 OUTGOINGS</b>				
3.5	Supply and installation of 4-core 16 mm <sup>2</sup> PVC insulated, PVC bedded, SWA PVC sheathed 600/1000 V manufactured to SANS 1507 - 3 including mounting accessories and terminations				
3.5.1	Supply	m	20		
3.5.2	Install including crimping	m	20		
<b>4</b>	<b>GENERATOR AND TRANSFORMER SECURITY FENCING</b>				
	Green Steel palisade fencing, 4m(w) x 7m(l) x 1.8m(h) for transformer and generator enclosure + lockable pedestrian Gate.				
4.1	Supply	m	30		
4.2	Install	m	30		

<b>BILL NO. 1:</b> <b>SECTION 2: STANDBY GENERATOR SUPPLY &amp; INSTALLATION</b> <b>LEHURUTSHE CAMPUS</b>					
ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5	<b>COMPLETE SYSTEM TESTING AND COMMISSIONING AND COC</b>				
5.1	Ensure that the switching sequence is discussed and approved by the Electrical Engineer. The phase rotation must be tested before switching to ensure that the phase rotation before and after the standby generator is maintained.	Sum	1		
<b>Amount Carried Forward to Summary:</b>					R

**SUMMARY OF SCHEDULE OF QUANTITIES FOR LEHURUTSHE CAMPUS:**

<b>TOTAL BILL NO 1</b>	PRELIMINARY AND GENERAL	R
<b>SECTION 1</b>		
<b>TOTAL BILL NO 1</b>	STANDBY GENERATOR SUPPLY AND INSTALLATION	R
<b>SECTION 2</b>		
<b>SUB-TOTAL OF BILL OF QUANTITIES:</b>		R
PLUS CONTINGENCY @ 10%		R
<b>TOTAL Carried Forward to Final Summary</b>		R

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b><u>SECTION NO. 1</u></b>	H1			
<b><u>BILL NO. 1</u></b>	H1			
<b><u>PRELIMINARIES</u></b>	H1			
<b><u>CONDITIONS OF CONTRACT AND PRELIMINARIES</u></b>	H1			
<b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b>	H2			
The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described				
The JBCC Principal Building Agreement contract data form an integral part of this agreement				
The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described				
The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause				
The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only				
Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"				
Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the above-mentioned documents.				

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b><u>PREAMBLES FOR TRADES</u></b>	H2			
<b><u>User note</u></b>	H4			
The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. Where such preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications				
Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same				
The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future				
The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained				
Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles				

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications				
<b><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></b>	H2			
Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement				
Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries				
Section C : Any special clauses to meet the particular circumstances of the project				
<b>PRICING OF PRELIMINARIES</b>	H2			
Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)				
<b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b>	H2			
<b><u>Interpretation (A1-A7)</u></b>	H3			
Clause 1.0 - Definitions and interpretation	CONT			
Definition of agreement	CONT			
The definition of agreement is replaced with the following definition: "AGREEMENT : The JBCC Principal Building Agreement, the completed JBCC PBA contract data, the contract drawings, the priced documents and any other documents reduced to writing and signed by the parties"	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Pricing of bills of quantities	CONT			
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, transporting, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities	CONT			
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	CONT			
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	CONT			
Abbreviated descriptions	CONT			
The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice	CONT			
Legal status of contractor	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:	CONT			
1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement	CONT			
2. These persons shall notify the employer of their leader who has authority to bind the contractor and each of these persons	CONT			
3. The contractor shall not alter its composition or legal status without the prior written consent of the employer	CONT			
Errata by JBCC Omit from definition of construction period the words : "excluding annual holiday periods" Omit from definition of preliminaries the word : "priced"	CONT			
F:..... V:..... T:.....	Item			
Clause 2.0 - Law, regulations and notices User note Insert the following where a health and safety specification is available	CONT			
Health and safety	CONT			
Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]	CONT			



**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works (refer to Annexure 3 for a copy of the relevant specification) 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 provisions of the aforementioned health and safety specification [2.1].	CONT			
The contractor shall: 1. Comply with the health and safety specification for the works (Annexure 3) 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				
Occupational Health and Safety F:..... V:..... T:.....	Item	1		
HSE Manager F:..... V:..... T:.....	Item	1		
HSE Officer F:..... V:..... T:.....	Month	3		
Induction Officer F:..... V:..... T:.....	Item	1		
HSE Representatives F:..... V:..... T:.....	Month	3		
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				
Clause 5.0 - Contract documents	CONT			
Value Added Tax	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)	CONT			
Contract drawings	CONT			
The contract drawings are as listed on the contents page of the bills of quantities [5.1]	CONT			
Contract drawings Refer to an Annexure for a list of the contract drawings [5.1]	CONT			
Priced document as specification Clause 5.3 is deemed to be deleted	CONT			
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	CONT			
Electronic issue of drawings. Where applicable, all drawings for this project will be issued electronically upon request from the contractor coupled with a proof of payment for the tender document. The contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.5]	CONT			
Precedence 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]	CONT			
F:..... V:..... T:.....	Item			
Clause 6.0 - Employer's agents	CONT			
Delegated authority	CONT			
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]:	CONT			
<b>1. Architect</b>	<b>CONT</b>			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.1 Duties : The architect is responsible for the architectural design, functional design and quality inspection of the works	CONT			
1.2 Contract instructions [17.0] :	CONT			
1.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
1.2.3 The site [13.2.4]	CONT			
1.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
1.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
1.2.6 Opening up of work for inspection, removal or re-execution	CONT			
1.2.7 Removal or re-execution of work	CONT			
1.2.8 Removal or substitution of any materials and goods	CONT			
1.2.9 Protection of the works	CONT			
1.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
1.2.11 Rectification of defects [21.2]	CONT			
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	CONT			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
1.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
1.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
1.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
1.2.17 Access by other or previous contractors to remedy defective work	CONT			
1.2.18 Removal from the site of any person employed on the works	CONT			
1.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
1.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>2. Quantity surveyor</b>	<b>CONT</b>			
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	CONT			
2.2 Contract instructions [17.0] :	CONT			
2.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
2.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
2.2.3 The site [13.2.4]	CONT			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
2.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
2.2.6 Opening up of work for inspection, removal or re-execution	CONT			
2.2.7 Removal or re-execution of work	CONT			
2.2.8 Removal or substitution of any materials and goods	CONT			
2.2.9 Protection of the works	CONT			
2.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
2.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
2.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
2.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
2.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
2.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
2.2.17 Access by other or previous contractors to remedy defective work	CONT			
2.2.18 Removal from the site of any person employed on the works	CONT			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
2.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>3. Civil and structural engineer</b>	<b>CONT</b>			
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	CONT			
3.2 Contract instructions [17.0] :	CONT			
3.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
3.2.3 The site [13.2.4]	CONT			
3.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
3.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
3.2.6 Opening up of work for inspection, removal or re-execution	CONT			
3.2.7 Removal or re-execution of work	CONT			
3.2.8 Removal or substitution of any materials and goods	CONT			
3.2.9 Protection of the works	CONT			
3.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
3.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
3.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
3.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
3.2.17 Access by other or previous contractors to remedy defective work	CONT			
3.2.18 Removal from the site of any person employed on the works	CONT			
3.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
3.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>4. Mechanical engineer</b>	<b>CONT</b>			
4.1 Duties : The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works ?and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions?	CONT			
4.2 Contract instructions [17.0] :	CONT			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
4.2.3 The site [13.2.4]	CONT			
4.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
4.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
4.2.6 Opening up of work for inspection, removal or re-execution	CONT			
4.2.7 Removal or re-execution of work	CONT			
4.2.8 Removal or substitution of any materials and goods	CONT			
4.2.9 Protection of the works	CONT			
4.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
4.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
4.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
4.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			



<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
4.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
4.2.17 Access by other or previous contractors to remedy defective work	CONT			
4.2.18 Removal from the site of any person employed on the works	CONT			
4.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
4.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>5. Electrical engineer</b>	<b>CONT</b>			
5.1 Duties : The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works ?and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions?	CONT			
5.2 Contract instructions [17.0] :	CONT			
5.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
5.2.3 The site [13.2.4]	CONT			
5.2.4 Compliance with the law, regulations and by laws [2.1]	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
5.2.6 Opening up of work for inspection, removal or re-execution	CONT			
5.2.7 Removal or re-execution of work	CONT			
5.2.8 Removal or substitution of any materials and goods	CONT			
5.2.9 Protection of the works	CONT			
5.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
5.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
5.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
5.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
5.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
5.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
5.2.17 Access by other or previous contractors to remedy defective work	CONT			
5.2.18 Removal from the site of any person employed on the works	CONT			
5.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
6. Fire consultant	CONT			
6.1 Duties : The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works	CONT			
6.2 Contract instructions [17.0] :	CONT			
6.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
6.2.3 The site [13.2.4]	CONT			
6.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
6.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
6.2.6 Opening up of work for inspection, removal or re-execution	CONT			
6.2.7 Removal or re-execution of work	CONT			
6.2.8 Removal or substitution of any materials and goods	CONT			
6.2.9 Protection of the works	CONT			
6.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
6.2.11 Rectification of defects [21.2]	CONT			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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	CONT			
6.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
6.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
6.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
6.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
6.2.17 Access by other or previous contractors to remedy defective work	CONT			
6.2.18 Removal from the site of any person employed on the works	CONT			
6.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
6.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
7. Health and safety consultant	CONT			
7.1 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:	CONT			
7.1.1 Act as the employer's agent in terms of Construction Regulations issued in terms of the Occupational Health and Safety Act,1993	CONT			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7.1.2 Prepare and update the health and safety specification for the works	CONT			
7.1.3 Agree with the contractor the health and safety plan for the works	CONT			
7.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the Act and Regulations	CONT			
7.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to	CONT			
F:..... V:..... T:.....	Item			
Clause 7.0 - Design responsibility F:..... V:..... T:.....	Item			
Insurance and security (A8-A11)	H3			
Clause 8.0 - Works Risk F:..... V:..... T:.....	Item	1		
Clause 9.0 - Indemnities F:..... V:..... T:.....	Item	1		
Clause 10.0 - Insurances F:..... V:..... T:.....	Item	1		
Clause 11.0 - Security	CONT			
Security for payment	CONT			
Where it is expected of the contractor to waive his lien in terms of clause 11.10, the waiver of lien may be extended to subcontracts as follows:				
Extension of waiver of lien	CONT			
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]	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Errata by JBCC Clause 11.5 Replace "ten (10)" with "five (5)"	CONT			
F:..... V:..... T:.....	Item			
Execution (A12 - A17)	H3			
Clause 12.0 - Duties of the parties	CONT			
Provisions of clauses 12.1.2 to 12.1.6 and 12.2.18	CONT			
Refer to the contract data, the Preliminaries document and "Section B : Preliminaries" of this Bill No. 1 with reference to the provisions of clauses 12.1.2 to 12.1.6 and 12.2.18 of the JBCC Principal Building Agreement				
Office accommodation The contractor shall provide, maintain and remove on practical completion all workshops, equipment, storer, air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site to accommodate approximately 20 people, minimum size 9180x 3680x3000mm high internally, suitably insulated, drawing stool, drawing board and lock-up drawers for drawings. Such offices shall be hoarded temporarily with fencing as per Architect's specification and kept clean and fit for use at all times. [12.2.18]	CONT			
12.1.15 Subcontractors' notice board [6.6] A notice board is required YES/NO Specific requirements: <b>(NO)</b>				
Notice board The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18] [See drawing: MCS-PH2-SB-101]	CONT			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 12.1.5 requires the employer to identify access to water, sewer, stormwater and/or electricity connections to the site. Should such information be available then it is to be stated here or in the contract data in detail with a suitable heading in bold. Reference as [12.1.5]. The user should, however, note that clauses 8.1 and 8.2 of the Preliminaries state that the employer does not warrant that any water or electricity supplies that may exist are adequate for the proper execution of the works. Any ambiguity in this respect is to be dealt with	CONT			
Should access to water, sewer, stormwater and/or electricity connections not be identifiable due to such information not being available or the specific requirements of the contractor cannot be determined, then the following clause may be considered in which event a qualified tender may be expected	CONT			
Access to water, sewer, stormwater and electricity connections				
The employer is not in a position to identify access to water, sewer, stormwater and/or electricity connections to the site as may be suitable for the execution of the works. The contractor is to allow what he considers to be required and is to qualify his tender in detail in this regard, failing which it shall be taken that the contractor has allowed what will be required for the execution of the works. In such case no claims for additional cost or loss shall be entertained [12.1.5]	CONT			
Statutory and other notices	CONT			
Statutory and other notices which the contractor must submit and/or comply with before possession of the site can be given are to be stated here or in the contract data. Reference [12.1.6]				
The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard [12.1.6]	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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	CONT			
Errata by JBCC Clause 12.2.17 Omit the words "[CD] within ten (10) working days"	CONT			
F:..... V:..... T:.....	Item			
Clause 13.0 - Setting out F:..... V:..... T:.....	Item	1		
Clause 14.0 - Nominated subcontractors	CONT			
Errata by JBCC Clause 14.1.4 Reference should read "[17.1.14]" Clause 14.6 Reference should read "[17.1.15; 27.1.8]" Clause 14.7.2 Reference should read "[27.1.8]" Clause 14.7.3 Reference should read "[27.2.8]"	CONT			
F:..... V:..... T:.....	Item			
Clause 15.0 - Selected subcontractors	CONT			
Errata by JBCC Clause 15.2 Reference should read "[17.1.14]" Clause 15.7.2 Reference should read "[27.1.8]" Clause 15.7.3 Reference should read "[27.2.8]"	CONT			
F:..... V:..... T:.....	Item			
Clause 16.0 - Direct contractors Attendance on direct contractors In respect of direct contractors the contractor shall:	CONT			
1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials	CONT			
2. Allow the use of personnel welfare facilities, where provided	CONT			
3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct	CONT			



<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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]	CONT			
Errata by JBCC Clause 16.1.3 Reference should read "[26.5]"	CONT			
F:..... V:..... T:.....	Item			
Clause 17.0 - Contract instructions Site 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	CONT			
Errata by JBCC Clause 17.1.3 Reference should read "[13.2.4]"	CONT			
F:..... V:..... T:.....	Item			
<u>Completion (A18 - A24)</u>	H3			
Clause 18.0 - Interim completion F:..... V:..... T:.....	Item			
Clause 19.0 - Practical completion F:..... V:..... T:.....	Item			
Clause 20.0 - Sectional completion	CONT			
Errata by JBCC Clause 20.2.2 Reference should read "[21.6.2]"	CONT			
F:..... V:..... T:.....	Item			
Clause 21.0 - Defects liability period and final completion	CONT			

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DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Errata by JBCC Clause 21.1 Delete the word "final" in the second last line Reference should read "[21.6.1]" Clause 21.9 Reference should read "[21.4 ; 21.6.1]"	CONT			
F:..... V:..... T:.....	Item			
Clause 22.0 - Latent defects liability period F:..... V:..... T:.....	Item			
Clause 23.0 - Revision of date for practical completion Substitution of materials and goods The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8, 23.1 & 2]	CONT			
Errata by JBCC Clause 23.2 Reference should read "[26.7]" Clause 23.2.1 Reference should read "[12.1.7]"	CONT			
F:..... V:..... T:.....	Item			
Clause 24.0 - Penalty for late or non-completion F:..... V:..... T:.....	Item			
<b>Payment (A25 - A27)</b>	H3			
Clause 25.0 - Payment	CONT			
Materials and goods prematurely on site Materials and goods brought onto the site prematurely shall not be authorised for payment [25.3.2]	CONT			
Materials and goods stored off site Materials and goods stored off site shall be authorised for payment subject to a guarantee for advance payment being provided to the employer [25.3.2]	CONT			
Fluctuations in costs All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [25.3.4]	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Prices submitted 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	CONT			
Errata by JBCC 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"	CONT			
F:..... V:..... T:.....	Item			
Clause 26.0 - Adjustment of the contract value and final account	CONT			
Tenant installations/users requirements delayed There is a 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	CONT			
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	CONT			
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 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 with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Cost of claims 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	CONT			
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]	CONT			
Errata by JBCC Clause 26.4.2 Omit the entire clause and renumber thereafter New clause 26.4.3 "Other proven or unavoidable costs"	CONT			
F:..... V:..... T:.....	Item			
Clause 27.0 - Recovery of expense and/or loss F:..... V:..... T:.....	Item			
<u>Suspension and termination (A28 - A29)</u>	H3			
Clause 28.0 - Suspension by the contractor	CONT			
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	CONT			
F:..... V:..... T:.....	Item			
Clause 29.0 - Termination	CONT			
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]" Clause 29.14.2 Reference should read "[12.1.7]" New clause 29.14.8 "Or where an agent has failed to act in terms of this agreement [6.4]"	CONT			
F:..... V:..... T:.....	Item			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>Dispute resolution (A30)</u>	H3			
Clause 30.0 - Dispute resolution F:..... V:..... T:.....	Item			
Agreement The second sentence of the introduction where the parties sign the agreement, namely "Any provision in this agreement..... acceptance by such subcontractor at any time." is deemed to be deleted	CONT			
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 F:..... V:..... T:.....	Item			
Contract data	CONT			
Before submission of his tender the contractor is to complete the tenderer's selection in the contract data	CONT			
F:..... V:..... T:.....	Item			
<b>SECTION B: PRELIMINARIES</b>	H2			
<u>Interpretation (B1)</u>	H3			
Clause 1.1 - Definitions F:..... V:..... T:.....	Item			
Clause 1.2 - Interpretation F:..... V:..... T:.....	Item			
<u>Documents (B2)</u>	H3			
Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item			
Clause 2.2 - Provisional bills of quantities	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Multiple procurement: These bills of quantities are in multiple procurement format i.e the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally measured and the subsequent trades are budgetary allowances and/or provisional sums F:..... V:..... T:.....	Item			
Clause 2.3 - Availability of construction information Budgetary allowances and provisional sums The budgetary allowances and provisional sums allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of subcontractors during the construction period F:..... V:..... T:.....	Item			
Clause 2.4 - Ordering of materials and goods F:..... V:..... T:.....	Item			
<u>Previous work and adjoining properties (B3)</u>	H3			
Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item			
Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item			
Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item			
<u>The site (B4)</u>	H3			
Clause 4.1 - Defined works area F:..... V:..... T:.....	Item			
Clause 4.2 - Handover of site in stages F:..... V:..... T:.....	Item			
Clause 4.3 - Enclosure of the works F:..... V:..... T:.....	Item			
Clause 4.4 - Geotechnical investigation F:..... V:..... T:.....	Item			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 4.5 - Encroachments F:..... V:..... T:.....	Item			
Clause 4.6 - Existing premises occupied F:..... V:..... T:.....	Item			
Clause 4.7 - Services - known F:..... V:..... T:.....	Item			
Clause 4.8 - Protection of trees and/or relevant natural features F:..... V:..... T:.....	Item			
<u>Management of contract (B5)</u>	H3			
Clause 5.1 - Management of the works F:..... V:..... T:.....	Months	3		
Clause 5.2 - Progress meetings F:..... V:..... T:.....	Months	3		
Clause 5.3 - Technical meetings F:..... V:..... T:.....	Months	3		
Samples, shop drawings and manufacturer's instructions (B6) This item shall include the provision of set of the Installation, Operation and Maintenance Manual (hard copies and soft copy in a CD)	H3			
Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	1		
Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	1		
Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	1		
Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item			
Deposits and fees (B7)	H3			
Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item			
Temporary services (B8)	H3			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 8.1 - Water F:..... V:..... T:.....	Item			
Clause 8.2 - Electricity F:..... V:..... T:.....	Item			
Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Months	3		
Clause 8.4 - Communication facilities F:..... V:..... T:.....	Months	3		
<u>Prime cost amounts (B9)</u>	H3			
Clause 9.1 - Responsibility for prime cost amounts	CONT			
Where details of materials for which prime cost amounts are to be allowed are readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste, etc F:..... V:..... T:.....	Item			
<u>Attendance on subcontractors (B10)</u>	H3			
Clause 10.1 - General attendance F:..... V:..... T:.....	Item			
Clause 10.2 - Special attendance	CONT			
It is important to note that general attendance only requires the contractor to "permit the subcontractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right while it remains erected on the site" (refer to 12.2.13 of the JBCC n/s subcontract agreement). Many n/s subcontractors qualify their tenders to exclude scaffolding and/or hoisting facilities. Especially scaffolding could be an expensive item and it may be necessary in order to avoid claims to require the contractor to provide for the extended use of scaffolding for specific subcontracts within a description of "special attendance" in the applicable bill F:..... V:..... T:.....	Item			
<u>General (B11)</u>	H3			



**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 11.1 - Protection of the works F:..... V:.....T:.....	Item	1		
Clause 11.2 - Protection/isolation of existing/sectionally occupied works F:..... V:..... T:.....	Item	1		
Clause 11.3 - Security of the works F:.....V:..... T:.....	Item	1		
Clause 11.4 - Notice before covering work F:..... V:..... T:.....	Item			
Clause 11.5 - Disturbance F:..... V:..... T:.....	Item			
Clause 11.6 - Environmental disturbance F:..... V:..... T:.....	Item			
Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item			
Clause 11.8 - Vermin F:..... V:..... T:.....	Item			
Clause 11.9 - Overhand work F:..... V:..... T:.....	Item			
Clause 11.10 - Tenant installations by direct contractors F:..... V:..... T:.....	Item			
Clause 11.11 - Advertising F:..... V:..... T:.....	Item			
<u>Preliminaries schedule (B12)</u>	H3			
Information for completion of the preliminaries schedule Information necessary for elections and completion of those clauses contained in the preliminaries schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract	CONT			

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
12.1 - Provisional bills of quantities [2.2] The quantities are provisional: Yes				
12.2 - Availability of construction information [2.3] Construction documentation is complete: Yes				
12.3 - Previous work - dimensional accuracy [3.1]				
12.4 - Previous work - defects [3.2]				
12.5 - Inspection of adjoining properties [3.3]				
12.6 - Defined works area [4.1]				
12.8 - Enclosure of the works [4.3]				
12.9 - Geotechnical investigation [4.4]				
12.10 - Existing premises occupied [4.6]				
12.11 - Services - known [4.7]				
12.12 - Protection of trees and/or relevant natural features [4.8]				
12.13 - Water [8.1] Option A (by contractor): Yes Option B (by employer - free of charge): No Option C (by employer - metered) : No				
12.14 - Electricity [8.2] Option A (by contractor): Yes Option B (by employer - free of charge): No Option C (by employer - metered): No				
12.15 - Ablution and welfare facilities [8.3] Option A (by contractor): Yes Option B (by employer): No				
12.16 - Communication facilities [8.4]				
12.17 - Protection of the works [11.1]				

<b>BILL NO. 2:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>LICHTENBURG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
12.18 - Protection/isolation of existing/sectionally occupied works [11.2] Protection/isolation is required: Yes				
12.19 - Disturbance [11.5]				
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				
12.20 - Environmental disturbance [11.6]				
Controlling all forms of pollution 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				
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				
Environmental management plan The employer has prepared an environmental management plan (EMP) (refer to Annexure 4 for a copy of the relevant plan). The contractor shall price opposite this item for compliance with all the requirements of such EMP				
F:..... V:..... T:.....	Item			
SECTION C: SPECIFIC PRELIMINARIES	H2			
Warranties for materials and workmanship Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty,	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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				
The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical 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	CONT			
The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor F:..... V:..... T:.....	Item			
Overtime Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer F:..... V:..... T:.....	Item			
Co-operation of the contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget F:..... V:..... T:.....	Item			
Overloading The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be	Item			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
made good by the contractor at his sole expense F:..... V:..... T:.....				
Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....	Item			
Testing of flat roof waterproofing for watertightness Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least forty (40) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F:..... V:..... T:.....	Item			
Broad based black economic empowerment (BBBEE) Tenders submitted will be evaluated taking into account their empowerment rating The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works	CONT			
The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating F:..... V:..... T:.....	Item			
Subcontracting as condition of tender: Sub-Contracting may only be 30% of the value of the contract to- (a) an EME or QSE; · an EME or QSE which is at least 51% owned by black people; · an EME or QSE which is at least 51% owned by black people who are youth; · an EME or QSE which is at least 51% owned by black people who are women; · an EME or QSE which is at least 51% owned by black people with disabilities; · an EME or QSE which is 51% owned by black people living in rural or	CONT			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
underdeveloped areas or townships; · a cooperative which is at least 51% owned by black people; · an EME or QSE which is at least 51% owned by black people who are military veterans; or (i) more than one of the categories referred to in paragraphs (a) to (h). · The organ of state must make available the list of all suppliers registered on a database approved by the National Treasury to provide the required goods or services in respect of the applicable designated groups mentioned in subregulation (2) from which the tenderer must select a supplier. The employer will be monitoring the contracting of the works of the contractor throughout the execution of the works				
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 the 30% contracting of works: F:..... V:..... T:.....	Item			
Advertising rights The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. Position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting the obligations under this agreement F:..... V:..... T:.....	Item			
Confidentiality The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F:..... V:..... T:.....	Item			
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	Item			

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media F:..... V:..... T:.....				
C2.0 GENERAL PREAMBLES 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 Fixed: ____ Value related: ____ Time related: ____	Item			
C3.0 TRADE NAMES 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 Fixed: ____ Value related: ____ Time related: ____	Item			
C4.0 IMPORTED MATERIALS AND EQUIPMENT 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 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) Fixed: ____ Value related: ____ Time related: ____	Item			
<b>SUMMARY OF CATEGORIES</b>	H3			
Category : Fixed R.....				
Category : Value R.....				
Category : Time R.....				

**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>ABBREVIATIONS</u>	H2			
C.M. Shall mean cubic metre S.M. Shall mean square metre L.M. Shall mean linear metre MM Shall mean Millimetre Kg. Shall mean Kilogramme No. Shall mean Number Prs. Shall mean Pairs LI Shall mean Labour Intensive (EPWP items) S.S.M Shall mean the Standard System of Measuring Building works Ditto - Shall mean the whole of the preceding description except as qualified in the description in which it occurs. m.s - Shall mean measured separately. Provisional sum-shall mean a cost to cater for all the described item(s)				
<b>EMPLOYER : TALETSO TVET COLLEGE</b>				
<b>PRINCIPAL AGENT: SOLENG (PTY) LTD</b>				
<u><b>CONTRACTING AND OTHER PARTIES</b></u>	H3			
Employer:				
Principal Agent: SOLENG (PTY) LTD				
Agent (1): Architect				
Agent (2): Quantity Surveyor				
Agent (3): Civil Engineers				
Agent (4): Electrical Engineer				
Agent (5): Structural Engineer				
Agent (6): Occupational Health and Safety				
<b>CONTRACT DETAILS</b>	H3			
Works description: Conversion of the existing offices into residentials				
<b>Site description: Taletso TVET College (Lichtenburg)</b>				
Work or installations by direct contractors Refer to Contract Data				
Possession of the site is intended to be given on: As per contract data				



**BILL NO. 2:****SECTION 1: PRELIMINARIES AND GENERALS****LICHTENBURG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Period for the commencement of the Works after the Contractor takes possession of the site <b>3 months</b> (To be calculated in calendar days)				
For the works as a whole: The date for practical completion and the liquid damages per calendar day. The work programme and cash-flow to be submitted within seven calendar days after site possession and will form part of the deliverable milestones. Failure to meet these shall be deemed to be in breach of contract. Should the contractor fail to submit both within this period, the Project manager shall impose both and the contractor shall have seven working days to counter such with an acceptable programme and cash-flows. Acceptability shall be solely decided by the Project manager Date for practical completion: 12 months (To be calculated in calendar days) from site possession Penalties per calendar day: <b>R1500</b>				
For the works in sections: Not applicable.				
<b>Total Preliminaries Carried forward to Summary</b>				

**BILL No. 2:****SECTION 2: STANDBY GENERATOR SUPPLY & INSTALLATION****LICHTENBURG CAMPUS**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<p>The Contractor shall supply, install, and commission according to tender specifications. The rates shall include material, labour, all mounting and accessories, including connection to the point of supply. Supplier shall also provide to the client a 12 Month Guarantee on Equipment and workmanship for all work completed from date of successful commissioning. The installation shall be erected and tested in accordance with the following Acts and regulations: <b>a)</b> The latest issue of SABS 0142: "Code of Practice for the Wiring of Premises", <b>b)</b> The Occupational Health and Safety Act, 1993 (Act 85 of 1993) as amended, <b>c)</b> The Local Government Ordinance 1939 (Ordinance 17 of 1939) as amended and the municipal by-laws and any special requirements of the local supply authority, <b>d)</b> The Fire Brigade services Act 1993 Act 99 of 1987 as amended, <b>e)</b> The National Building Regulations and Building Standards Act 1977 (Act 103 of 1977) as amended, <b>f)</b> The Post Office Act 1958 (Act 44 of 1958) as amended, <b>g)</b> The Electricity Act 1984 (Act 41 of 1984) as amended and <b>h)</b> The Regulations of the local Gas Board where applicable.</p>					
<b>1</b>	<b>150 KVA STANDBY GENERATOR</b>				
1.1	150 KVA Prime Power (165 KVA Standby power), Three Phase (230/415V, 50Hz, 1500 rpm) Diesel Generator - Cummins Engine (OR SIMILAR APPROVED) - Brushless alternator with AVR, including Digital controller with auto and manual start options, silent canopy with lockable doors, Automatic Changeover Switch (ATS), maintenance free batteries and trickle charger, four-way protection system, harmonic filters, earlier of one year/1000-hour warranty. The fuel tank capacity shall be not less than 380 litre.				
1.1.1	Supply including initial 380L Diesel	No	1		
1.1.2	Install	No	1		
1.1.3	Allow for 12 months maintenance & guarantee	Sum	1		
1.1.4	Providing a set of all factory and site certificates: Tests and Commissioning results	Sum	1		
1.2	PREFAB CONCRETE SLAB				
	Complete 2950 x 1150 x 400 thick precast 10 MPa concrete slab to carry the above generator (1741 Kg)				
1.2.1	Supply	No	1		
1.2.2	Install	No	1		
<b>2</b>	<b>EMERGENCY POWER SUPPLY DISTRIBUTION BOARD</b>				

**BILL No. 2:****SECTION 2: STANDBY GENERATOR SUPPLY & INSTALLATION****LICHTENBURG CAMPUS**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b>GROUND MOUNTED DISTRIBUTION BOARD</b>				
	Complete 600x600 steel box equipped with 4 x 60A 3P and Main adjustable 300A 3P 10KA Circuit Breakers (CBI). The board must allow 30% of free space for spare and ventilation. The board must have a precast plinth				
2.1	Supply	No	1		
2.2	Install	No	1		
<b>3</b>	<b>LOW VOLTAGE CABLES</b>				
<b>3.1</b>	<b>FROM LV BUS BAR TO CHANGEOVER PANEL</b>				
	Supply and installation of 4-core 35 mm <sup>2</sup> PVC insulated, PVC bedded, SWA PVC sheathed 600/1000 V manufactured to SANS 1507 - 3 including mounting accessories and terminations				
3.1.1	Supply	m	50		
3.1.2	Install	m	50		
	Supply and installation of 16mm <sup>2</sup> Bare Conductor Earth Wire (BCEW), mounting accessories and terminations				
3.1.3	Disconnect the main supply from the existing Circuit Breakers	No	1		
3.1.4	Supply	m	25		
3.1.5	Install	m	25		
<b>3.2</b>	<b>FROM CHANGEOVER PANEL TO EXISTING MAIN CB OR EMERGENCY DISTRIBUTION BOARD</b>				
	Supply and installation of 4-core 35 mm <sup>2</sup> PVC insulated, PVC bedded, SWA PVC sheathed 600/1000 V manufactured to SANS 1507 - 3 including mounting accessories and terminations				
3.2.1	Supply	m	20		
3.2.2	Install	m	20		
	Supply and installation of 50mm <sup>2</sup> Bare Conductor Earth Wire (BCEW), mounting accessories and terminations				

## SECTION 2: STANDBY GENERATOR SUPPLY & INSTALLATION

### LICHTENBURG CAMPUS

**SUMMARY OF SCHEDULE OF QUANTITIES FOR LICHTENBURG CAMPUS:**

<b>TOTAL BILL NO 2</b>	STANDBY GENERATOR SUPPLY AND INSTALLATION	R
<b>SECTION 2</b>		

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PLUS CONTINGENCY @ 10%

R

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**TOTAL Carried Forward to Final Summary**

R

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<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b><u>SECTION NO. 1</u></b>	H1			
<b><u>BILL NO. 1</u></b>	H1			
<b><u>PRELIMINARIES</u></b>	H1			
<b><u>CONDITIONS OF CONTRACT AND PRELIMINARIES</u></b>	H1			
<b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b>	H2			
The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described				
The JBCC Principal Building Agreement contract data form an integral part of this agreement				
The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described				
The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause				
The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only				
Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"				
Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the above-mentioned documents.				

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b><u>PREAMBLES FOR TRADES</u></b>	H2			
<b><u>User note</u></b>	H4			
The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. Where such preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications				
Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same				
The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future				
The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained				
Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles				

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications				
<b><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></b>	H2			
Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement				
Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries				
Section C : Any special clauses to meet the particular circumstances of the project				
<b>PRICING OF PRELIMINARIES</b>	H2			
Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)				
<b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b>	H2			
<b><u>Interpretation (A1-A7)</u></b>	H3			
Clause 1.0 - Definitions and interpretation	CONT			
Definition of agreement	CONT			
The definition of agreement is replaced with the following definition: "AGREEMENT : The JBCC Principal Building Agreement, the completed JBCC PBA contract data, the contract drawings, the priced documents and any other documents reduced to writing and signed by the parties"	CONT			



**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Pricing of bills of quantities	CONT			
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, transporting, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities	CONT			
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	CONT			
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	CONT			
Abbreviated descriptions	CONT			
The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice	CONT			
Legal status of contractor	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:	CONT			
1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement	CONT			
2. These persons shall notify the employer of their leader who has authority to bind the contractor and each of these persons	CONT			
3. The contractor shall not alter its composition or legal status without the prior written consent of the employer	CONT			
Errata by JBCC Omit from definition of construction period the words : "excluding annual holiday periods" Omit from definition of preliminaries the word : "priced"	CONT			
F:..... V:..... T:.....	Item			
Clause 2.0 - Law, regulations and notices User note Insert the following where a health and safety specification is available	CONT			
Health and safety	CONT			
Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works (refer to Annexure 3 for a copy of the relevant specification) 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 provisions of the aforementioned health and safety specification [2.1].	CONT			
The contractor shall: 1. Comply with the health and safety specification for the works (Annexure 3) 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				
Occupational Health and Safety F:..... V:..... T:.....	Item	1		
HSE Manager F:..... V:..... T:.....	Item	1		
HSE Officer F:..... V:..... T:.....	Month	3		
Induction Officer F:..... V:..... T:.....	Item	1		
HSE Representatives F:..... V:..... T:.....	Month	3		
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				
Clause 5.0 - Contract documents	CONT			
Value Added Tax	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)	CONT			
Contract drawings	CONT			
The contract drawings are as listed on the contents page of the bills of quantities [5.1]	CONT			
Contract drawings Refer to an Annexure for a list of the contract drawings [5.1]	CONT			
Priced document as specification Clause 5.3 is deemed to be deleted	CONT			
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	CONT			
Electronic issue of drawings. Where applicable, all drawings for this project will be issued electronically upon request from the contractor coupled with a proof of payment for the tender document. The contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.5]	CONT			
Precedence 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]	CONT			
F:..... V:..... T:.....	Item			
Clause 6.0 - Employer's agents	CONT			
Delegated authority	CONT			
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]:	CONT			
<b>1. Architect</b>	<b>CONT</b>			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.1 Duties : The architect is responsible for the architectural design, functional design and quality inspection of the works	CONT			
1.2 Contract instructions [17.0] :	CONT			
1.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
1.2.3 The site [13.2.4]	CONT			
1.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
1.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
1.2.6 Opening up of work for inspection, removal or re-execution	CONT			
1.2.7 Removal or re-execution of work	CONT			
1.2.8 Removal or substitution of any materials and goods	CONT			
1.2.9 Protection of the works	CONT			
1.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
1.2.11 Rectification of defects [21.2]	CONT			
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	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
1.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
1.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
1.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
1.2.17 Access by other or previous contractors to remedy defective work	CONT			
1.2.18 Removal from the site of any person employed on the works	CONT			
1.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
1.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>2. Quantity surveyor</b>	<b>CONT</b>			
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	CONT			
2.2 Contract instructions [17.0] :	CONT			
2.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
2.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
2.2.3 The site [13.2.4]	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
2.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
2.2.6 Opening up of work for inspection, removal or re-execution	CONT			
2.2.7 Removal or re-execution of work	CONT			
2.2.8 Removal or substitution of any materials and goods	CONT			
2.2.9 Protection of the works	CONT			
2.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
2.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
2.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
2.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
2.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
2.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
2.2.17 Access by other or previous contractors to remedy defective work	CONT			
2.2.18 Removal from the site of any person employed on the works	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
2.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>3. Civil and structural engineer</b>	<b>CONT</b>			
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	CONT			
3.2 Contract instructions [17.0] :	CONT			
3.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
3.2.3 The site [13.2.4]	CONT			
3.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
3.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
3.2.6 Opening up of work for inspection, removal or re-execution	CONT			
3.2.7 Removal or re-execution of work	CONT			
3.2.8 Removal or substitution of any materials and goods	CONT			
3.2.9 Protection of the works	CONT			
3.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			



<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
3.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
3.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
3.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
3.2.17 Access by other or previous contractors to remedy defective work	CONT			
3.2.18 Removal from the site of any person employed on the works	CONT			
3.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
3.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>4. Mechanical engineer</b>	<b>CONT</b>			
4.1 Duties : The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works ?and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions?	CONT			
4.2 Contract instructions [17.0] :	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
4.2.3 The site [13.2.4]	CONT			
4.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
4.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
4.2.6 Opening up of work for inspection, removal or re-execution	CONT			
4.2.7 Removal or re-execution of work	CONT			
4.2.8 Removal or substitution of any materials and goods	CONT			
4.2.9 Protection of the works	CONT			
4.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
4.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
4.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
4.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
4.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
4.2.17 Access by other or previous contractors to remedy defective work	CONT			
4.2.18 Removal from the site of any person employed on the works	CONT			
4.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
4.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
<b>5. Electrical engineer</b>	<b>CONT</b>			
5.1 Duties : The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works ?and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions?	CONT			
5.2 Contract instructions [17.0] :	CONT			
5.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
5.2.3 The site [13.2.4]	CONT			
5.2.4 Compliance with the law, regulations and by laws [2.1]	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
5.2.6 Opening up of work for inspection, removal or re-execution	CONT			
5.2.7 Removal or re-execution of work	CONT			
5.2.8 Removal or substitution of any materials and goods	CONT			
5.2.9 Protection of the works	CONT			
5.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
5.2.11 Rectification of defects [21.2]	CONT			
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	CONT			
5.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
5.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
5.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
5.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
5.2.17 Access by other or previous contractors to remedy defective work	CONT			
5.2.18 Removal from the site of any person employed on the works	CONT			
5.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
6. Fire consultant	CONT			
6.1 Duties : The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works	CONT			
6.2 Contract instructions [17.0] :	CONT			
6.2.1 Rectification of discrepancies, errors in descriptions or omissions in contract documents other than this agreement	CONT			
6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	CONT			
6.2.3 The site [13.2.4]	CONT			
6.2.4 Compliance with the law, regulations and bylaws [2.1]	CONT			
6.2.5 Provision and testing of samples of materials and goods, of finishes and assemblies of elements of the works	CONT			
6.2.6 Opening up of work for inspection, removal or re-execution	CONT			
6.2.7 Removal or re-execution of work	CONT			
6.2.8 Removal or substitution of any materials and goods	CONT			
6.2.9 Protection of the works	CONT			
6.2.10 Making good physical loss and repairing damage to the works [8.0]	CONT			
6.2.11 Rectification of defects [21.2]	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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	CONT			
6.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	CONT			
6.2.14 Appointment of a subcontractor [14.0; 15.0]	CONT			
6.2.15 Termination of a nominated n/s subcontract agreement [27.2.8]	CONT			
6.2.16 Work by (a) direct contractor(s) [16.0]	CONT			
6.2.17 Access by other or previous contractors to remedy defective work	CONT			
6.2.18 Removal from the site of any person employed on the works	CONT			
6.2.19 Removal from the site of any person not engaged on or connected with the works	CONT			
6.2.20 On termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	CONT			
7. Health and safety consultant	CONT			
7.1 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:	CONT			
7.1.1 Act as the employer's agent in terms of Construction Regulations issued in terms of the Occupational Health and Safety Act,1993	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7.1.2 Prepare and update the health and safety specification for the works	CONT			
7.1.3 Agree with the contractor the health and safety plan for the works	CONT			
7.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the Act and Regulations	CONT			
7.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to	CONT			
F:..... V:..... T:.....	Item			
Clause 7.0 - Design responsibility F:..... V:..... T:.....	Item			
Insurance and security (A8-A11)	H3			
Clause 8.0 - Works Risk F:..... V:..... T:.....	Item	1		
Clause 9.0 - Indemnities F:..... V:..... T:.....	Item	1		
Clause 10.0 - Insurances F:..... V:..... T:.....	Item	1		
Clause 11.0 - Security	CONT			
Security for payment	CONT			
Where it is expected of the contractor to waive his lien in terms of clause 11.10, the waiver of lien may be extended to subcontracts as follows:				
Extension of waiver of lien	CONT			
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]	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Errata by JBCC Clause 11.5 Replace "ten (10)" with "five (5)"	CONT			
F:..... V:..... T:.....	Item			
Execution (A12 - A17)	H3			
Clause 12.0 - Duties of the parties	CONT			
Provisions of clauses 12.1.2 to 12.1.6 and 12.2.18	CONT			
Refer to the contract data, the Preliminaries document and "Section B : Preliminaries" of this Bill No. 1 with reference to the provisions of clauses 12.1.2 to 12.1.6 and 12.2.18 of the JBCC Principal Building Agreement				
Office accommodation The contractor shall provide, maintain and remove on practical completion all workshops, equipment, storer, air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site to accommodate approximately 20 people, minimum size 9180x 3680x3000mm high internally, suitably insulated, drawing stool, drawing board and lock-up drawers for drawings. Such offices shall be hoarded temporarily with fencing as per Architect's specification and kept clean and fit for use at all times. [12.2.18]	CONT			
12.1.15 Subcontractors' notice board [6.6] A notice board is required YES/NO Specific requirements: <b>(NO)</b>				
Notice board The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18] [See drawing: MCS-PH2-SB-101]	CONT			



**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 12.1.5 requires the employer to identify access to water, sewer, stormwater and/or electricity connections to the site. Should such information be available then it is to be stated here or in the contract data in detail with a suitable heading in bold. Reference as [12.1.5]. The user should, however, note that clauses 8.1 and 8.2 of the Preliminaries state that the employer does not warrant that any water or electricity supplies that may exist are adequate for the proper execution of the works. Any ambiguity in this respect is to be dealt with	CONT			
Should access to water, sewer, stormwater and/or electricity connections not be identifiable due to such information not being available or the specific requirements of the contractor cannot be determined, then the following clause may be considered in which event a qualified tender may be expected	CONT			
Access to water, sewer, stormwater and electricity connections				
The employer is not in a position to identify access to water, sewer, stormwater and/or electricity connections to the site as may be suitable for the execution of the works. The contractor is to allow what he considers to be required and is to qualify his tender in detail in this regard, failing which it shall be taken that the contractor has allowed what will be required for the execution of the works. In such case no claims for additional cost or loss shall be entertained [12.1.5]	CONT			
Statutory and other notices	CONT			
Statutory and other notices which the contractor must submit and/or comply with before possession of the site can be given are to be stated here or in the contract data. Reference [12.1.6]				
The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard [12.1.6]	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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	CONT			
Errata by JBCC Clause 12.2.17 Omit the words "[CD] within ten (10) working days"	CONT			
F:..... V:..... T:.....	Item			
Clause 13.0 - Setting out F:..... V:..... T:.....	Item	1		
Clause 14.0 - Nominated subcontractors	CONT			
Errata by JBCC Clause 14.1.4 Reference should read "[17.1.14]" Clause 14.6 Reference should read "[17.1.15; 27.1.8]" Clause 14.7.2 Reference should read "[27.1.8]" Clause 14.7.3 Reference should read "[27.2.8]"	CONT			
F:..... V:..... T:.....	Item			
Clause 15.0 - Selected subcontractors	CONT			
Errata by JBCC Clause 15.2 Reference should read "[17.1.14]" Clause 15.7.2 Reference should read "[27.1.8]" Clause 15.7.3 Reference should read "[27.2.8]"	CONT			
F:..... V:..... T:.....	Item			
Clause 16.0 - Direct contractors Attendance on direct contractors In respect of direct contractors the contractor shall:	CONT			
1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials	CONT			
2. Allow the use of personnel welfare facilities, where provided	CONT			
3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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]	CONT			
Errata by JBCC Clause 16.1.3 Reference should read "[26.5]"	CONT			
F:..... V:..... T:.....	Item			
Clause 17.0 - Contract instructions Site 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	CONT			
Errata by JBCC Clause 17.1.3 Reference should read "[13.2.4]"	CONT			
F:..... V:..... T:.....	Item			
<u>Completion (A18 - A24)</u>	H3			
Clause 18.0 - Interim completion F:..... V:..... T:.....	Item			
Clause 19.0 - Practical completion F:..... V:..... T:.....	Item			
Clause 20.0 - Sectional completion	CONT			
Errata by JBCC Clause 20.2.2 Reference should read "[21.6.2]"	CONT			
F:..... V:..... T:.....	Item			
Clause 21.0 - Defects liability period and final completion	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Errata by JBCC Clause 21.1 Delete the word "final" in the second last line Reference should read "[21.6.1]" Clause 21.9 Reference should read "[21.4 ; 21.6.1]"	CONT			
F:..... V:..... T:.....	Item			
Clause 22.0 - Latent defects liability period F:..... V:..... T:.....	Item			
Clause 23.0 - Revision of date for practical completion Substitution of materials and goods The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8, 23.1 & 2]	CONT			
Errata by JBCC Clause 23.2 Reference should read "[26.7]" Clause 23.2.1 Reference should read "[12.1.7]"	CONT			
F:..... V:..... T:.....	Item			
Clause 24.0 - Penalty for late or non-completion F:..... V:..... T:.....	Item			
<b>Payment (A25 - A27)</b>	H3			
Clause 25.0 - Payment	CONT			
Materials and goods prematurely on site Materials and goods brought onto the site prematurely shall not be authorised for payment [25.3.2]	CONT			
Materials and goods stored off site Materials and goods stored off site shall be authorised for payment subject to a guarantee for advance payment being provided to the employer [25.3.2]	CONT			
Fluctuations in costs All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [25.3.4]	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Prices submitted 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	CONT			
Errata by JBCC 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"	CONT			
F:..... V:..... T:.....	Item			
Clause 26.0 - Adjustment of the contract value and final account	CONT			
Tenant installations/users requirements delayed There is a 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	CONT			
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	CONT			
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 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 with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Cost of claims 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	CONT			
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]	CONT			
Errata by JBCC Clause 26.4.2 Omit the entire clause and renumber thereafter New clause 26.4.3 "Other proven or unavoidable costs"	CONT			
F:..... V:..... T:.....	Item			
Clause 27.0 - Recovery of expense and/or loss F:..... V:..... T:.....	Item			
<u>Suspension and termination (A28 - A29)</u>	H3			
Clause 28.0 - Suspension by the contractor	CONT			
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	CONT			
F:..... V:..... T:.....	Item			
Clause 29.0 - Termination	CONT			
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]" Clause 29.14.2 Reference should read "[12.1.7]" New clause 29.14.8 "Or where an agent has failed to act in terms of this agreement [6.4]"	CONT			
F:..... V:..... T:.....	Item			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>Dispute resolution (A30)</u>	H3			
Clause 30.0 - Dispute resolution F:..... V:..... T:.....	Item			
Agreement The second sentence of the introduction where the parties sign the agreement, namely "Any provision in this agreement..... acceptance by such subcontractor at any time." is deemed to be deleted	CONT			
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 F:..... V:..... T:.....	Item			
Contract data	CONT			
Before submission of his tender the contractor is to complete the tenderer's selection in the contract data	CONT			
F:..... V:..... T:.....	Item			
<u>SECTION B: PRELIMINARIES</u>	H2			
<u>Interpretation (B1)</u>	H3			
Clause 1.1 - Definitions F:..... V:..... T:.....	Item			
Clause 1.2 - Interpretation F:..... V:..... T:.....	Item			
<u>Documents (B2)</u>	H3			
Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item			
Clause 2.2 - Provisional bills of quantities	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Multiple procurement: These bills of quantities are in multiple procurement format i.e the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally measured and the subsequent trades are budgetary allowances and/or provisional sums F:..... V:..... T:.....	Item			
Clause 2.3 - Availability of construction information Budgetary allowances and provisional sums The budgetary allowances and provisional sums allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of subcontractors during the construction period F:..... V:..... T:.....	Item			
Clause 2.4 - Ordering of materials and goods F:..... V:..... T:.....	Item			
<u>Previous work and adjoining properties (B3)</u>	H3			
Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item			
Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item			
Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item			
<u>The site (B4)</u>	H3			
Clause 4.1 - Defined works area F:..... V:..... T:.....	Item			
Clause 4.2 - Handover of site in stages F:..... V:..... T:.....	Item			
Clause 4.3 - Enclosure of the works F:..... V:..... T:.....	Item			
Clause 4.4 - Geotechnical investigation F:..... V:..... T:.....	Item			



**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 4.5 - Encroachments F:..... V:..... T:.....	Item			
Clause 4.6 - Existing premises occupied F:..... V:..... T:.....	Item			
Clause 4.7 - Services - known F:..... V:..... T:.....	Item			
Clause 4.8 - Protection of trees and/or relevant natural features F:..... V:..... T:.....	Item			
<u>Management of contract (B5)</u>	H3			
Clause 5.1 - Management of the works F:..... V:..... T:.....	Months	3		
Clause 5.2 - Progress meetings F:..... V:..... T:.....	Months	3		
Clause 5.3 - Technical meetings F:..... V:..... T:.....	Months	3		
Samples, shop drawings and manufacturer's instructions (B6) This item shall include the provision of set of the Installation, Operation and Maintenance Manual (hard copies and soft copy in a CD)	H3			
Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	1		
Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	1		
Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	1		
Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item			
Deposits and fees (B7)	H3			
Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item			
Temporary services (B8)	H3			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 8.1 - Water F:..... V:..... T:.....	Item			
Clause 8.2 - Electricity F:..... V:..... T:.....	Item			
Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Months	3		
Clause 8.4 - Communication facilities F:..... V:..... T:.....	Months	3		
<u>Prime cost amounts (B9)</u>	H3			
Clause 9.1 - Responsibility for prime cost amounts	CONT			
Where details of materials for which prime cost amounts are to be allowed are readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste, etc F:..... V:..... T:.....	Item			
<u>Attendance on subcontractors (B10)</u>	H3			
Clause 10.1 - General attendance F:..... V:..... T:.....	Item			
Clause 10.2 - Special attendance	CONT			
It is important to note that general attendance only requires the contractor to "permit the subcontractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right while it remains erected on the site" (refer to 12.2.13 of the JBCC n/s subcontract agreement). Many n/s subcontractors qualify their tenders to exclude scaffolding and/or hoisting facilities. Especially scaffolding could be an expensive item and it may be necessary in order to avoid claims to require the contractor to provide for the extended use of scaffolding for specific subcontracts within a description of "special attendance" in the applicable bill F:..... V:..... T:.....	Item			
<u>General (B11)</u>	H3			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Clause 11.1 - Protection of the works F:..... V:.....T:.....	Item	1		
Clause 11.2 - Protection/isolation of existing/sectionally occupied works F:..... V:..... T:.....	Item	1		
Clause 11.3 - Security of the works F:.....V:..... T:.....	Item	1		
Clause 11.4 - Notice before covering work F:..... V:..... T:.....	Item			
Clause 11.5 - Disturbance F:..... V:..... T:.....	Item			
Clause 11.6 - Environmental disturbance F:..... V:..... T:.....	Item			
Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item			
Clause 11.8 - Vermin F:..... V:..... T:.....	Item			
Clause 11.9 - Overhand work F:..... V:..... T:.....	Item			
Clause 11.10 - Tenant installations by direct contractors F:..... V:..... T:.....	Item			
Clause 11.11 - Advertising F:..... V:..... T:.....	Item			
<u>Preliminaries schedule (B12)</u>	H3			
Information for completion of the preliminaries schedule Information necessary for elections and completion of those clauses contained in the preliminaries schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract	CONT			

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
12.1 - Provisional bills of quantities [2.2] The quantities are provisional: Yes				
12.2 - Availability of construction information [2.3] Construction documentation is complete: Yes				
12.3 - Previous work - dimensional accuracy [3.1]				
12.4 - Previous work - defects [3.2]				
12.5 - Inspection of adjoining properties [3.3]				
12.6 - Defined works area [4.1]				
12.8 - Enclosure of the works [4.3]				
12.9 - Geotechnical investigation [4.4]				
12.10 - Existing premises occupied [4.6]				
12.11 - Services - known [4.7]				
12.12 - Protection of trees and/or relevant natural features [4.8]				
12.13 - Water [8.1] Option A (by contractor): Yes Option B (by employer - free of charge): No Option C (by employer - metered) : No				
12.14 - Electricity [8.2] Option A (by contractor): Yes Option B (by employer - free of charge): No Option C (by employer - metered): No				
12.15 - Ablution and welfare facilities [8.3] Option A (by contractor): Yes Option B (by employer): No				
12.16 - Communication facilities [8.4]				
12.17 - Protection of the works [11.1]				

<b>BILL NO. 3:</b> <b>SECTION 1: PRELIMINARIES AND GENERALS</b> <b>MAHIKENG CAMPUS</b>				
DESCRIPTION	UNIT	QTY	RATE	AMOUNT
12.18 - Protection/isolation of existing/sectionally occupied works [11.2] Protection/isolation is required: Yes				
12.19 - Disturbance [11.5]				
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				
12.20 - Environmental disturbance [11.6]				
Controlling all forms of pollution 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				
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				
Environmental management plan The employer has prepared an environmental management plan (EMP) (refer to Annexure 4 for a copy of the relevant plan). The contractor shall price opposite this item for compliance with all the requirements of such EMP				
F:..... V:..... T:.....	Item			
SECTION C: SPECIFIC PRELIMINARIES	H2			
Warranties for materials and workmanship Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty,	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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				
The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical 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	CONT			
The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor F:..... V:..... T:.....	Item			
Overtime Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer F:..... V:..... T:.....	Item			
Co-operation of the contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget F:..... V:..... T:.....	Item			
Overloading The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be	Item			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
made good by the contractor at his sole expense F:..... V:..... T:.....				
Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....	Item			
Testing of flat roof waterproofing for watertightness Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least forty (40) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F:..... V:..... T:.....	Item			
Broad based black economic empowerment (BBBEE) Tenders submitted will be evaluated taking into account their empowerment rating The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works	CONT			
The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating F:..... V:..... T:.....	Item			
Subcontracting as condition of tender: Sub-Contracting may only be 30% of the value of the contract to- (a) an EME or QSE; · an EME or QSE which is at least 51% owned by black people; · an EME or QSE which is at least 51% owned by black people who are youth; · an EME or QSE which is at least 51% owned by black people who are women; · an EME or QSE which is at least 51% owned by black people with disabilities; · an EME or QSE which is 51% owned by black people living in rural or	CONT			

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
underdeveloped areas or townships; · a cooperative which is at least 51% owned by black people; · an EME or QSE which is at least 51% owned by black people who are military veterans; or (i) more than one of the categories referred to in paragraphs (a) to (h). · The organ of state must make available the list of all suppliers registered on a database approved by the National Treasury to provide the required goods or services in respect of the applicable designated groups mentioned in subregulation (2) from which the tenderer must select a supplier. The employer will be monitoring the contracting of the works of the contractor throughout the execution of the works				
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 the 30% contracting of works: F:..... V:..... T:.....	Item			
Advertising rights The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. Position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting the obligations under this agreement F:..... V:..... T:.....	Item			
Confidentiality The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F:..... V:..... T:.....	Item			
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	Item			



**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media F:..... V:..... T:.....				
C2.0 GENERAL PREAMBLES 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 Fixed: ____ Value related: ____ Time related: ____	Item			
C3.0 TRADE NAMES 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 Fixed: ____ Value related: ____ Time related: ____	Item			
C4.0 IMPORTED MATERIALS AND EQUIPMENT 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 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) Fixed: ____ Value related: ____ Time related: ____	Item			
<u>SUMMARY OF CATEGORIES</u>	H3			
Category : Fixed R.....				
Category : Value R.....				
Category : Time R.....				

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>ABBREVIATIONS</u>	H2			
C.M. Shall mean cubic metre S.M. Shall mean square metre L.M. Shall mean linear metre MM Shall mean Millimetre Kg. Shall mean Kilogramme No. Shall mean Number Prs. Shall mean Pairs LI Shall mean Labour Intensive (EPWP items) S.S.M Shall mean the Standard System of Measuring Building works Ditto - Shall mean the whole of the preceding description except as qualified in the description in which it occurs. m.s - Shall mean measured separately. Provisional sum-shall mean a cost to cater for all the described item(s)				
<b>EMPLOYER : TALETSO TVET COLLEGE</b>				
<b>PRINCIPAL AGENT: SOLENG (PTY) LTD</b>				
<u><b>CONTRACTING AND OTHER PARTIES</b></u>	H3			
Employer:				
Principal Agent: SOLENG (PTY) LTD				
Agent (1): Architect				
Agent (2): Quantity Surveyor				
Agent (3): Civil Engineers				
Agent (4): Electrical Engineer				
Agent (5): Structural Engineer				
Agent (6): Occupational Health and Safety				
<b>CONTRACT DETAILS</b>	H3			
Works description: Conversion of the existing offices into residentials				
<b>Site description: Taletso TVET College (Mahikeng)</b>				
Work or installations by direct contractors Refer to Contract Data				
Possession of the site is intended to be given on: As per contract data				

**BILL NO. 3:****SECTION 1: PRELIMINARIES AND GENERALS****MAHIKENG CAMPUS**

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Period for the commencement of the Works after the Contractor takes possession of the site <b>3 months</b> (To be calculated in calendar days)				
For the works as a whole: The date for practical completion and the liquid damages per calendar day. The work programme and cash-flow to be submitted within seven calendar days after site possession and will form part of the deliverable milestones. Failure to meet these shall be deemed to be in breach of contract. Should the contractor fail to submit both within this period, the Project manager shall impose both and the contractor shall have seven working days to counter such with an acceptable programme and cash-flows. Acceptability shall be solely decided by the Project manager Date for practical completion: 12 months (To be calculated in calendar days) from site possession Penalties per calendar day: <b>R1500</b>				
For the works in sections: Not applicable.				
<b>Total Preliminaries Carried forward to Summary</b>				

**BILL No. 3:****SECTION 2: STANDBY GENERATOR FOR SUPPLY AND INSTALLATION****MAHIKENG CAMPUS**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<p>The Contractor shall supply, install, and commission according to tender specifications. The rates shall include material, labour, all mounting and accessories, including connection to the point of supply. Supplier shall also provide to the client a 12 Month Guarantee on Equipment and workmanship for all work completed from date of successful commissioning. The installation shall be erected and tested in accordance with the following Acts and regulations: <b>a)</b> The latest issue of SABS 0142: "Code of Practice for the Wiring of Premises", <b>b)</b> The Occupational Health and Safety Act, 1993 (Act 85 of 1993) as amended, <b>c)</b> The Local Government Ordinance 1939 (Ordinance 17 of 1939) as amended and the municipal by-laws and any special requirements of the local supply authority, <b>d)</b> The Fire Brigade services Act 1993 Act 99 of 1987 as amended, <b>e)</b> The National Building Regulations and Building Standards Act 1977 (Act 103 of 1977) as amended, <b>f)</b> The Post Office Act 1958 (Act 44 of 1958) as amended, <b>g)</b> The Electricity Act 1984 (Act 41 of 1984) as amended and <b>h)</b> The Regulations of the local Gas Board where applicable.</p>					
<b>1</b>	<b>200 KVA STANDBY GENERATOR</b>				
	200 KVA Prime Power (220 KVA Standby power), Three Phase (230/415V, 50Hz, 1500 rpm) Diesel Generator - Cummins Engine (OR SIMILAR APPROVED) - Brushless alternator with AVR, including Digital controller with auto and manual start options, silent canopy with lockable doors, Automatic Changeover Switch (ATS), maintenance free batteries and trickle charger, four-way protection system, harmonic filters, earlier of one year/1000-hour warranty. The fuel tank capacity shall be not less than 600 litre.				
1.1	Supply including initial 600L Diesel	No	1		
1.2	Install	No	1		
1.3	Allow for 12 months maintenance & guarantee	Sum	1		
1.4	Providing a set of all factory and site certificates: Tests and Commissioning results	Sum	1		
<b>2</b>	<b>PREFAB CONCRETE SLAB</b>				
	Complete 3300 x 1300 x 400 thick precast 10 MPa concrete slab to carry the above generator (3100 Kg)				
2.1	Supply	No	1		

**BILL No. 3:****SECTION 2: STANDBY GENERATOR FOR SUPPLY AND INSTALLATION****MAHIKENG CAMPUS**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.2	Install	No	1		
<b>3</b>	<b>EMERGENCY POWER SUPPLY DISTRIBUTION BOARD</b>				
	<b>GROUND MOUNTED DISTRIBUTION BOARD</b>				
	Complete 600x600 steel box equipped with 4 x 60A 3P and Main adjustable 380/400A 3P 10KA Circuit Breakers (CBI). The board must allow 30% of free space for spare and ventilation. The board must have a precast plinth				
3.1	Supply	No	1		
3.2	Install	No	1		
<b>4</b>	<b>LOW VOLTAGE CABLES</b>				
<b>4.1</b>	<b>FROM LV BUS BAR TO CHANGEOVER PANEL</b>				
	Supply and installation of 4-core 70 mm <sup>2</sup> PVC insulated, PVC bedded, SWA PVC sheathed 600/1000 V manufactured to SANS 1507 - 3 including mounting accessories and terminations				
4.1.1	Supply	m	50		
4.1.2	Install	m	50		
	Supply and installation of 50mm <sup>2</sup> Bare Conductor Earth Wire (BCEW), mounting accessories and terminations				
4.1.3	Disconnect the main supply from the existing Circuit Breakers	No	1		
4.1.4	Supply	m	25		
4.1.5	Install	m	25		
<b>4.2</b>	<b>FROM CHANGEOVER PANEL TO EXISTING MAIN CB OR EMERGENCY DISTRIBUTION BOARD</b>				
	Supply and installation of 4-core 70 mm <sup>2</sup> PVC insulated, PVC bedded, SWA				

**BILL No. 3:****SECTION 2: STANDBY GENERATOR FOR SUPPLY AND INSTALLATION****MAHIKENG CAMPUS**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	PVC sheathed 600/1000 V manufactured to SANS 1507 - 3 including mounting accessories and terminations				
4.2.1	Supply	m	20		
4.2.2	Install	m	20		
	Supply and installation of 50mm <sup>2</sup> Bare Conductor Earth Wire (BCEW), mounting accessories and terminations				
4.2.3	Supply	m	20		
4.2.4	Install	m	20		
<b>4.3</b>	<b>FROM EMERGENCY DISTRIBUTION BOARD TO EXISTING 4 OUTGOINGS</b>				
	Supply and installation of 4-core 16 mm <sup>2</sup> PVC insulated, PVC bedded, SWA PVC sheathed 600/1000 V manufactured to SANS 1507 - 3 including mounting accessories and terminations				
4.3.1	Supply	m	20		
4.3.2	Install including crimping	m	20		
<b>4.4</b>	<b>GENERATOR AND TRANSFORMER SECURITY FENCING</b>				
	Green Steel palisade fencing, 4m(w) x 7m(l) x 1.8m(h) for transformer and generator enclosure + lockable pedestrian Gate.				
4.4.1	Supply	m	30		
4.4.2	Install	m	30		
4.5	COMPLETE SYSTEM TESTING AND COMMISSIONING AND COC	Sum	1		
4.6	Ensure that the switching sequence is discussed and approved by the Electrical Engineer. The phase rotation must be tested before switching to ensure that the	Sum	1		

**BILL No. 3:**

**SECTION 2: STANDBY GENERATOR FOR SUPPLY AND INSTALLATION**

**MAHIKENG CAMPUS**

## SECTION 2: STANDBY GENERATOR FOR SUPPLY AND INSTALLATION

### MAHIKENG CAMPUS

## MAHIKENG CAMPUS

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	phase rotation before and after the standby generator is maintained.				
	Amount Carried Forward to Summary:				

**SUMMARY OF SCHEDULE OF QUANTITIES FOR MAHIKENG CAMPUS:**

**TOTAL BILL NO 3** PRELIMINARY AND GENERAL R  
**SECTION 1**

**TOTAL BILL NO 3**      **STANDBY GENERATOR SUPPLY AND INSTALLATION**      **R**  
**SECTION 2**

**SUB-TOTAL OF BILL OF QUANTITIES:** R

PLUS CONTINGENCY @ 10% R

<b>TOTAL Carried Forward to Final Summary</b>	<b>R</b>
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## FINAL SUMMARY CARRIED TO FORM OF OFFER

LEHURUTSHE CAMPUS R

LICHTENBURG CAMPUS R

MAHIKENG CAMPUS R

<b>SUB-TOTAL 1</b>	<b>R</b>
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**PLUS: ALLOWANCE FOR 2% PURCO FEE** R

**SUB-TOTAL 2:**

<b>PLUS:</b> ALLOWANCE FOR VAT @ 15%	R
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<b>TOTAL CARRIED FORWARD TO FORM OF OFFER</b>	<b>R</b>
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