



higher education
& training
Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

Ehlanzeni TVET College

Central Office

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BID SPECIFICATION

Ehlanzeni TVET Campus – Mlumati Campus – Refurbishment to Hostel Blocks, Laundry Rooms and Kitchen

<p>Employer: Ehlanzeni TVET College</p> <p>29 Bell Street Private Bag X11297 Nelspruit 1200</p> <p>Contact: Name: Mr. J Zulu Telephone: 013 752 7105/7527/5070/4752</p>	
<p>Contractor:</p> <p>CIDB Registration Number:</p> <p>Total of the prices inclusive of value added tax: R</p> <p>Amount in words:</p> <p>.....</p>	



Ehlanzeni TVET College

EHLANZENI TVET COLLEGE

BID SPECIFICATION

ENQUIRY NO:

**ENQUIRY FOR THE REFURBISHMENT OF THE HOSTEL BLOCKS
AND SWIMMING POOL AT MAPULANENG TVET COLLEGE.**

CONTRACT NO: ETVETC/MLU/HS/2024/01

JULY 2025

ISSUED BY:

MR. J ZULU
EHLANZENI TVET COLLEGE
29 BEL STREET
NELSPRUIT
1200

CIDB GRADING: 7GB

DOCUMENT DATE: JULY 2025

CONTRACTING PARTY:

CIDB REGISTRATION NO:

The Tenderer is required to check the numbers of pages and should any be found to be missing or duplicated, or should any of the typing be distinct, or any doubt or obscurity arise as to the

meaning of any description or particular of any item, or if the Tender Document contains any obvious errors, then the Tenderer must immediately inform the Quantity Surveying Service Provider and have them rectified or explained in writing as the case may be. No liability whatsoever will be admitted by reason of the Tenderer having failure to comply with the foregoing instructions.

NOTES TO TENDERERS AND SPECIAL CONDITIONS OF CONTRACT

1. TENDER NOTICE AND INVITATION TO TENDER

The ***EHLANZENI TVET COLLEGE*** hereby invites tenders for **THE REFURBISHMENT OF THE HOSTEL BLOCKS, LAUNDRY ROOMS AND KITCHEN AT MLUMATI TVET COLLEGE.**

The following tenderers who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions are eligible to submit tenders:

1. contractors who have a contractor grading designation 7GB, potentially emerging enterprises who satisfy criteria stated in the Tender Data may submit tender offers; and
2. Joint ventures are eligible to submit tenders provided that:
3. every member of the joint venture is registered with the CIDB;
4. the lead partner has a contractor grading designation in the 7GB class of construction work; and
5. The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 7GB class of construction work.

Tender documents will only be available after the compulsory briefing session at the proposed site on the TBC.

Queries relating to the issue of these documents may be addressed to:

Technical and Site Queries:	Tender Documents and Commercial Queries:
Ehlanzeni TCET College – Supply chain Mr N Ndukuya Email. ntando.ndukuya@ehlanzenicollege.co.za	Ehlanzeni TCET College – Supply chain Mr N Ndukuya Email. ntando.ndukuya@ehlanzenicollege.co.za

A compulsory clarification meeting with representatives of the Employer will take place at **Mlumati TVET Campus on the TBC**. The Tenderer shall inspect and examine the Site and its surroundings and shall satisfy himself before submitting his tender as to the form and nature of the Site, the quantities and nature of the work and materials necessary for the completion of the Works and the means of access of the Site, the accommodation he may require and in general shall himself obtain all necessary information as to risk, contingencies and other circumstances which may influence or affect his tender. The tenderer must be represented at the site inspection by a person who is suitably qualified and experienced to comprehend the implications of the work involved. Attendance of the site inspection is compulsory, and a tender will be disqualified if the site inspection is not attended by a representative of the tenderer.

The closing date and time for receipt of tenders is **TBA**

Tenders may only be submitted on the tender documentation that is issued.

Telegraphic, telephonic, telex, facsimile and late tenders will not be accepted.

2. PROJECT MANAGER

Should the Tender Document state that the Principal Agent Mandate will be executed by the Architect, it should be noted as an Error and rectified to state the Project Manager. The duties of the Principal Agent will be executed with assistance from the Architect and therefore will not relieve the Architect on his duties regarding the design and supervision Scopes of Works

2. CHECKING OF PAGES, READING OF GENERAL DESCRIPTION OF MATERIALS AND METHODS TO BE USED, DESCRIPTIONS AND DRAWINGS.

Tenderers are required to check the numbers of the pages as set out in the index and should any be found to be missing or in duplicate, or the printing to be indistinct, or these tender and contract documentation to contain any obvious errors, tenderers shall inform the Project Manager at once and have it rectified. No liability whatsoever will be admitted, and no claim will be allowed in respect of errors due to the foregoing.

The tenderers are referred to the specifications and preambles document for full descriptions of materials and methods to be used referred to in these documents, so far as they apply. No claim whatsoever will be allowed in respect of errors in pricing due to brevity of descriptions of items in the schedule of materials and schedule of labour which are fully described when read in conjunction with the relevant specifications and drawings.

3. SCOPE OF CONTRACT

The work consists in general of the following:

1. Replacement of existing roof trusses, roof coverings, ceilings, tiling, sanitary fittings, carpentry fittings, ironmongery, painting, masonry, concrete works etc.
2. Construction of a new ramp and installation of an elevator

4. PROGRAMMING OF WORKS AND INTERIM CLAIMS

Tenderer's attention is drawn to the fact that it is a specific requirement of this Contract that the Contractor must issue a program for the works, as he moves on site. The program must allow for normal seasonal rains, as no time claim for such delays would be accommodated.

5. SITE

The building is situated:

- (1) At Ehlanzeni TVET Mlumati Campus, Kamhlushwa-A, Nkomazi, 1341

6. CONSTRUCTION PERIOD

The construction period for this contract to be 18 (EIGHTEEN) months for the project as a whole as per the Preliminaries.

7. PENALTIES FOR NON-COMPLETION

The penalty for non-completion will be R18 200-00 (EIGHTEEN THOUSAND TWO HUNDRED RAND) per calendar day for the project as a whole.

The penalty for not achieving works completion will be R9 100-00 (NINE THOUSAND ONE HUNDRED RAND) per calendar day

8. COMMENCEMENT OF WORKS

Work will commence not later than 7 (SEVEN) days after notification of awarding the Contract.

9. VALUE ADDED TAX

The successful tenderer must be VAT registered and must supply his VAT registration number on the final summary page in the tender document. VAT should also be added on the Final Summary page.

10. SIGNING POWERS

If the tenderer is a company, then such company must provide minutes duly passed by its Board of Directors authorising the signing of the Contract documents by the nominee. These minutes must be attached to the tender document when the tender is handed in.

11. CONTRACT FORM

This is a Principal Building Agreement which will run under the JBCC series 2000, July 2007 edition 5.0 version contract form, including accompanying preliminaries documentation which will form an integral part of the agreement.

12. PERFORMANCE GUARANTEE

The successful tenderer must submit an acceptable and valid guarantee in accordance with this contract and no certificate will be passed on interim payments before receipt of such a guarantee. Should the tenderer prefer to fall back on the system of retention, the specific condition for this option is outlined in the Preliminaries and General section.

13. SPECIAL INSURANCE

As the Contractor moves on site, he must submit proof of all his insurance, indemnifying himself and the client from any damages they may suffer, or claims they may receive against them, for whatever reason, including political rioting.

If the Contractor moves on site without proof of the above insurance, the Project Manager have the authority to stop all activities on site and no claim for standing time, as well as payment claims will be considered.

14. SITE VISIT

Tenderers are requested to inspect the site of the new works and to make themselves thoroughly acquainted with the extent of the works pertaining to power and water supplies, transport facilities, condition of adjacent existing buildings, access to the site, availability of working space, etc, before submitting their tenders as no matters arising out of their failure to do so will be entertained.

15. SETTING OUT OF WORKS

The contractor has to allow for setting out works at his own cost, but must liaise and co-ordinate with the Principal Agent.

16. CO-ORDINATION WITH OTHER CONTRACTORS

During this contract other contractors might be on site to execute other contracts.

Tenderers must allow in their price for all co-ordination work with other contractors on site as no claim in this regard would be met.

17. ITEM RATES IN BILLS OF QUANTITIES

All priced items (rates) in the bills of quantities include for the charges of labour, material, overheads, levies, erection, fix in position and mark-up, but excluding any VAT, where VAT is added on in the summary of this bill of quantities.

18. NATURAL VEGETATION

Natural vegetation to the site is to be preserved as far as possible.

19. SABS SPECIFICATIONS

The Model Preambles for Trades will apply. A copy is available at the offices of the Project Manager.

20. TRADE NAMES

Tenderers are advised that their prices for articles described by trade names or catalogue references must be based on the type and manufacturer specified in these bills of quantities.

Substitution will be strictly subject to the Project Manager's approval.

21. APPROVAL

Tenderers are advised that the terms "Approved", "Selected" and "Directed" used throughout this bill of quantities shall mean the approval, selection, and direction of the Project Manager.

22. TENDERS

The tender must be submitted on the separate form provided at the back of these bills of quantities and delivered to the address indicated thereon all in accordance with the advertised stipulations. Late tenders will not be considered.

23. LOWEST TENDER

The Employer does not bind himself to accept the lowest or any tender.

24. QUALIFICATION OF TENDERS

No qualification of tenders will be allowed

25. SUBMISSION OF PRICED BILLS OF QUANTITIES

It is a specific requirement of this contract, that tenderers must submit to the office of the client (Ehlanzeni TVET College – Central Office, 29 Bell Street, Nelspruit, 1200). Tenderers are warned that time is of the essence in this contract and if submissions are not done within the above time restriction, it can invalidate their tender.

26. BILLS OF QUANTITIES

The quantities contained in this bill of quantities must not be used for ordering purposes and the quantity surveyor accepts no responsibility for errors in this regard.

27. PUBLIC AND BUILDERS' HOLIDAYS

Tenderers must take note that no claim will be considered regarding any public and builders' holidays which may fall within this contract period, or any extended period, whether it may be contractual or not.

28. PROGRAMMING

The completion dates will only be attained once all works are completed to the satisfaction of the Project Manager and all labour, plant and other property removed from site.

29. OHS SAFETY REGULATIONS

A specific section is allowed for in the Bill of Quantities to be priced, in order to make provision to comply with the OHS safety regulations and accompanying relevant legislation. The Main and Sub-contractors must assure/familiarize themselves with all

regulations, as the Client will hold the Main Contractor liable in the event of any injury, death or damages resulting from such circumstances.

Kindly refer to Annexure A – COVID-19 Specification which must be included within your OHS provisions.

**FORM OF TENDER
FOR
PROPOSED REFURBISHMENT OF HOSTEL BLOCKS, LAUNDRY ROOMS AND KITCHEN
AT MLUMATI TVET CAMPUS**

Sirs,

I/We undersigned, am / are willing to contract for, perform and complete the whole of the works required to be done in the erection and completion of the works, in accordance with the drawings and specifications & bills of quantities prepared by Ehlanzeni TVET College and to the satisfaction of the Principal Agent for the sum of

R.....(.....) (V.A.T. inclusive)

I/We further undertake that this tender cannot be withdrawn or retracted for 60 (SIXTY) calendar days from closing date or any extended closing date of tender.

Notwithstanding that this tender is submitted by invitation, it is clearly understood and agreed that there is no obligation upon you to accept the lowest or any.

Company Name:.....

Signature:.....

Address :.....

Date:.....



Ehlanzeni TVET College

BILL OF QUANTITIES

FOR A

PROPOSED REFURBISHMENT OF
HOSTEL BLOCKS, LAUNDRY ROOMS
AND KITCHEN, EHLANZENI TVET
COLLEGE, MLUMATI CAMPUS,
KAMHLUSHWA-A, NKOMAZI, 1341

FOR

EHLANZENI TVET COLLEGE

JULY 2025

Item No	Quantity	Rate	Amount
<u>SECTION NO. 1</u>			
<u>BILL NO. 1</u>			
<u>PRELIMINARIES</u>			
<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
<p>The JBCC Series 2000 Principal Building Agreement (July 2007 edition 5.0 - reprint 1) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The JBCC Principal Building Agreement Contract Data EC and the JBCC Principal Building Agreement Contract Data CE form an integral part of this agreement</p> <p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the abovementioned documents for the intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific agreement such item is marked N/A (signifying "not applicable")</p>			
Carried Forward		R	
Section No. 1 Preliminaries and General Bill No. 1 Preliminaries			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R	
<p><u>PREAMBLES FOR TRADES</u></p> <p>The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p> <p>Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)</p>			
<p>Carried Forward</p> <p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		R	

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R
<u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u>		
<u>Definitions (A1)</u>		
1	<p>Clause 1.0 - Definitions and interpretation</p> <p>The measuring system used for the preparation of the bills of quantities is the Standard System of Measuring Building Work (seventh edition, revised 2015) published by the Association of South African Quantity Surveyors [1.1]</p> <p>F:..... V:..... T:.....</p>	Item
<u>Objective and preparation (A2 - A14)</u>		
2	<p>Clause 2.0 - Offer acceptance and performance obligations</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
Section No. 1 Preliminaries and General Bill No. 1 Preliminaries		

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
3	<p>Clause 3.0 - Documents</p> <p><i>Refer to the contract drawings</i></p> <p>Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) [3.5]</p> <p>The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any [3.9]</p> <p>Notwithstanding this or any other Clause, Clause 3.1 is amended by deletion of the clause in total and the Clause to read: "The Employer will not provide a Payment Guarantee."</p> <p>Notwithstanding this or any other Clause, Clause 3.3 is amended by adding: "The Employer requires the contractor to waive his lien without in turn receiving a Payment Guarantee from the Employer. If it is in favour of a financial institution, then the Waiver of Lien should be in favour of both the Client and the financial institution. The Contractor may also be requested to complete a Lien in the format required by the financial institution."</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
4	<p>Clause 4.0 - Design responsibility</p> <p>Notwithstanding the provisions of Clause 4.2, the Contractor shall ensure that every nominated or selected sub-contractor shall simultaneously with the signing of the relevant nominated or selected sub-contractor sign and deliver to the employer a Design Materials and Workmanship Warranty and Undertaking in favour of the employer or a Materials and Workmanship Undertaking strictly in accordance with the instructions or provisions contained in the tender documents for the nominated or selected sub-contract works</p> <p>F:..... V:..... T:.....</p>	Item	
5	<p>Clause 5.0 - Employer's agents</p> <p>The principal agent shall:</p> <ul style="list-style-type: none"> - monitor and control progress and scheduling - monitor all contract conditions, and - coordinate the efforts of the employer's agents, the contractor and subcontractors <p>The powers conferred on the principal agent in terms of this clause and/or the exercising of these powers shall not be construed as removing or diminishing any of the obligations of the Contractor in terms of the Principal Building Agreement, whether financial, contractual or otherwise, nor shall the exercising of these powers create any privity of contract as between the Employer or his agents on the one part and the Contractor or subcontractors or suppliers on the other part</p> <p>The principal agent reserves the right to attend and participate in all contractor/subcontractor's meetings, to invite other employer's agents to attend such meetings at his discretion and to converse and chair any such meetings if the contractor is derelict in his duty in arranging such meetings to the degree of frequency and comprehensiveness dictated in the opinion of the project manager by the circumstances and exigencies of the construction process</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
6	<p>Clause 6.0 - Contractor's site representative</p> <p>F:..... V:..... T:.....</p>	Item	
7	<p>Clause 7.0 - Compliance with laws and regulations</p> <p>Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. 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 [7.1]</p> <p>F:..... V:..... T:.....</p>	Item	
8	<p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item	
9	<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>	Item	
10	<p>Clause 10.0 - General insurances</p> <p>F:..... V:..... T:.....</p>	Item	
11	<p>Clause 11.0 - Special insurances</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
12	Clause 12.0 - Effecting insurances F:..... V:..... T:.....	Item	
13	Clause 13.0 - Assignment The Contractor shall not cede his rights or delegate his obligations in terms of this agreement, unless specifically called for by the employer. F:..... V:..... T:.....	Item	
14	Clause 14.0 - Security F:..... V:..... T:.....	Item	
	<u>Execution (A15 - A23)</u>		
15	Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....	Item	
16	Clause 16.0 - Site and access Access to the site must be arrange with the campus manager. The site must be fully enclosed to keep unauthorized people out of the site. Contractor has to take the level of noise into consideration when construction commences during teaching activities. F:..... V:..... T:.....	Item	
17	Clause 17.0 - Contract instructions F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Preliminaries and General Bill No. 1 Preliminaries		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
18	<p>Clause 18.0 -Setting out of the works</p> <p>The contractor shall notify the principal agent if any encroachment of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments [18.1]</p> <p>F:..... V:..... T:.....</p>	Item	
19	<p>Clause 19.0 - Temporary works and plant</p> <p>Clause 19.1.1 - Enclosure of the works</p> <p>F:..... V:..... T:.....</p>	Item	
20	<p>Clause 19.1.2 - Office accommodation - provide suitable office accomodation for site meetings with tables and chairs for ten people</p> <p>F:..... V:..... T:.....</p>	Item	
21	<p>Clause 19.1.3 - The contractor shall ensure, where required, that the works are sealed off with temporary hoarding from neighbouring areas, keeping doors closed at all times.</p> <p>The contractor is to provide and remove up on completion any temporary hoarding etc. used to protect existing premisses and equipment. The hoarding shall be maintained and kept clean for the duration of use.</p>	Item	
22	<p>Clause 20.0 - Nominated subcontractors</p> <p>Refer to the provisions on general attendance hereinafter</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

BILLS OF QUANTITIES
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
23	<p>Clause 21.0 - Selected subcontractors</p> <p>General attendance of n/s subcontractors for pricing by the contractor shall be in accordance with the n/s agreement. Notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as may reasonably be required by such n/s subcontractor for the execution of the relevant subcontract work</p> <p>The contractor is to provide the subcontractors and direct contractors with the necessary assistance needed to successfully install, test and commission all equipment. The contractor is to liaise with the subcontractors and direct contractors regarding special requirements.</p> <p><i>Written proof is required from subcontract tenderers at tendering that they can meet the JBCC Selected Subcontract Agreement or other tender agreements and provide security in terms of the agreement. If the above is not provided the tender may not be accepted</i></p> <p><i>All amounts allowed under Provisional Amounts are intended to be awarded to Selected Subcontractors</i></p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
24	<p>Clause 22.0 - Employer's direct contractors</p> <p>The employer shall have the right to employ other direct contractors to execute any special works not contained in this contract, concurrently with the work being executed under this contract and the contractor shall not be entitled to any percentage profit or discount on the value thereof. The contractor shall allow these direct contractors to have access to the works and shall allocate reasonable space in the building for the storage of their materials, tools and equipment, all to the satisfaction of the principal agent.</p> <p>The contractor shall also allow the direct contractors to use, free of charge, scaffolding, the latrine accommodation, water and power supply on site, and shall not in any way hinder or prevent the execution of their work.</p> <p>The contractor is to allow for any costs in connection with providing access for such concurrent contracts and for the use of the facilities stated above and no additional claim will be entertained due to the presence on the works of such direct contractors.</p> <p>F:..... V:..... T:.....</p>	Item	
25	<p>Clause 23.0 - Contractor's domestic subcontractors</p> <p>The Contractor is referred to the Specific Preliminaries below for the mandatory Sub-Contracting requirements of this contracts</p> <p>F:..... V:..... T:.....</p>	Item	
	<u>Completion (A24 - A30)</u>		
26	<p>Clause 24.0 - Practical completion</p> <p>Notwithstanding the provisions of this Clause, Clause 24 is amended by adding the following: The fact that the tenants has occupied the building does not necessarily mean that practical completion has occurred.</p> <p>The Practical Completion certificate will not be issued by</p>		
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R	
<p>the Principal Agent until such time as the following items are complete:</p> <ul style="list-style-type: none"> - Improvements completed, including all external and internal finishes - Roof waterproofed and tested - Access to the improvements is fully secure - Uninterrupted access by the Tenant and its visitors and invitees to the improvements, is secured on the basis that: - Access must be clean, unhindered and free from mud, rubble, debris and the like, and - No contractor or sub-contractor will be exercising any lien over the improvements or the site or any part thereof - Improvements cleaned internally and externally, including ensuring that the improvements are hygienic and vermin free - All jointing and sealing work complete - All items which are damaged during construction have been replaced or made good - All services complete including testing and commissioning - All ironmongery complete including easing and adjusting - All works above ceiling level complete with no exception - All scaffolding dismantled and removed from site - Site office removed - All municipal and other authority services connections inspected commissioned and active - External works complete, including all roads and paving, landscaping, fencing, retaining walls, external services, site structures and buildings - Site cleared of all spoil heaps, builders rubble and other unwanted materials - All roads, paving, sundry structures and buildings cleared - All services, equipment, motors and the like commissioned - Irrigation system tested and adjusted <p>F:..... V:..... T:.....</p>	Item		
<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		R	

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
27	<p>Clause 25.0 - Works completion</p> <p>Notwithstanding the provisions of Clause 25.0, a penalty together with the non entitlement of compensatory interest will be applicable</p> <p>F:..... V:..... T:.....</p>	Item	
28	<p>Clause 26.0 - Final completion</p> <p>The contractor shall attend to defects during the defects liability period on a progressive basis, to the satisfaction of the principal agent and will not be permitted to wait until the end of the defects liability period or until the amount of defects accumulates in order to attend to a comprehensive list of defects</p> <p>F:..... V:..... T:.....</p>	Item	
29	<p>Clause 27.0 - Latent defects liability period</p> <p>F:..... V:..... T:.....</p>	Item	
30	<p>Clause 28.0 - Sectional completion</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
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	Brought Forward		R
31	<p>Clause 29.0 - Revision of date for practical completion</p> <p>Sub clause 29.1.1 is hereby added onto by the following:</p> <p>"Exceptionally inclement weather, which shall only relate to weather with a degree of inclement which is materially greater than or is materially beyond the average inclemency experienced in past years and/or recorded, in terms of available records or otherwise, at or for the area in which the site is situated, for the period(s) in question. Any revision of date for practical completion which may, in terms of this clause be allowed for exceptionally inclement weather, shall be related only to those periods of exceptionally inclement weather by which the average periods of time, during which exceptionally inclement weather is experienced and/or recorded in the area in which the site is situated, is exceeded. The Contractor is therefore to make allowance for normal variances of the weather."</p> <p>Extension of time shall only be considered when work is on the critical path of the contract programme, which the contractor shall clearly identify, for the works affected.</p> <p>Any delays to minor portions of the works will only attract extensions of time to those areas and not the entire project</p> <p>The removal and replacement of materials and/or workmanship which do not conform to specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3)</p> <p>F:..... V:..... T:.....</p>	Item	
32	<p>Clause 30.0 - Penalty for late or non-completion</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
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	Brought Forward		R
	<u>Payment (A31 - A35)</u>		
33	<p>Clause 31.0 - Interim payment</p> <p>Materials and goods stored off site shall not be included in the amount authorised for payment [31.6.5]</p> <p>F:..... V:..... T:.....</p>	Item	
34	<p>Clause 32.0 - Adjustment to the contract value</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [32.13]</p> <p>Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the 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</p> <p>The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims for loss of profit shall not be entertained</p> <p>Where prices are submitted by the contractor or nominated/selected subcontractors during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final certificate, it will be in writing [32.2]</p> <p>F:..... V:..... T:.....</p>	N/A	
35	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

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	Brought Forward		R
36	Clause 34.0 - Final account and final payment F:..... V:..... T:.....	Item	
37	Clause 34.10 - Is amended by the deletion of "with in seven (7) calender days" in the first sentence and replacing with "within thirty (30) calender days".	Item	
38	Clause 34.11 - Is amended by the substitution of the words "practical completion", in the fourth line by the words, "Final completion".	Item	
39	Clause 34.13 - Is amended by the deletion of "within twenty one (21) calender days" in the second sentence and replacing with "within thirty (30) calender days".	Item	
40	Clause 35.0 - Payment to other parties F:..... V:..... T:.....	Item	
	<u>Termination (A36 - A39)</u>		
41	Clause 36.0 - Termination by employer - contractor's default F:..... V:..... T:.....	Item	
42	Clause 37.0 - Termination by employer - loss and damage F:..... V:..... T:.....	Item	
43	Clause 38.0 - Termination by contractor - employer's default F:..... V:..... T:.....	Item	
44	Clause 39.0 - Termination - cessation of the works F:..... V:..... T:.....	Item	
	Carried Forward		R
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Brought Forward			R
<u>Dispute (A40)</u>			
45	<p>Clause 40.0 - Settlement of disputes</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
<u>Contract variables (A41 - A42)</u>			
46	<p>Clause 41.0 - Post tender provisions</p> <p>The contractor is to complete and submit with his tender the JBCC Principal Building Agreement Contract Data CE</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
47	<p>Clause 42.0 - Contractual agreement</p> <p>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</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item	
Carried Forward			R
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	Brought Forward		R
	<u>SECTION B: PRELIMINARIES</u>		
	<u>Definitions and interpretation (B1)</u>		
48	<p>Clause 1.0 - Definitions and interpretation</p> <p>The items in the Bill of Quantities are to be read and priced in conjunction with and the description regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, and no claim arising from brevity of description of items fully described in the said documents will be entertained</p> <p>F:..... V:..... T:.....</p>	Item	
	<u>Documents (B2)</u>		
49	<p>Clause 2.1 - Checking of documents</p> <p>F:..... V:..... T:.....</p>	Item	
50	<p>Clause 2.2 - Provisional bills of quantities</p> <p>F:..... V:..... T:.....</p>	Item	
51	<p>Clause 2.3 - Availability of construction documentation</p> <p>The budgetary allowances and selected subcontract amounts allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of selected subcontractors during the construction period</p> <p>F:..... V:..... T:.....</p>	Item	
	<u>Previous work and adjoining properties (B3)</u>		
52	<p>Clause 3.1 - Previous work - dimensional accuracy</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

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	Brought Forward		R
53	<p>Clause 3.2 - Previous work - defects</p> <p>F:..... V:..... T:.....</p>	Item	
54	<p>Clause 3.3 - Inspection of adjoining properties</p> <p>F:..... V:..... T:.....</p> <p><u>Samples, shop drawings and manufacturer's instructions (B4)</u></p>	Item	
55	<p>Clause 4.1 - Samples of materials</p> <p>F:..... V:..... T:.....</p> <p>The principal agent may reject any materials or colours not corresponding with the approved samples. The approved samples shall be kept on site until completion of works.</p> <p>Should any materials or items specified prove to be either unavailable, in poor supply or likely to cause delay to these works the contractor shall notify the principal agent in sufficient time for suitable alternatives to be considered. Any claims for delays resulting from the contractor not conforming with the terms of this clause will not be entertained or allowed.</p>	Item	
56	<p>Clause 4.2 - Workmanship samples</p> <p>F:..... V:..... T:.....</p>	Item	
57	<p>Clause 4.3 - Shop drawings</p> <p>F:..... V:..... T:.....</p>	Item	
58	<p>Clause 4.4 - Compliance with manufacturer's instructions</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

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	Brought Forward		R
	<u>Deposits and fees (B5)</u>		
59	Clause 5.1 - Deposits and fees F:..... V:..... T:.....	Item	
	<u>Temporary services (B6)</u>		
60	Clause 6.1 - Water F:..... V:..... T:.....	Item	
61	Clause 6.2 - Electricity F:..... V:..... T:.....	Item	
62	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item	
63	Clause 6.4 - Ablution facilities F:..... V:..... T:.....	Item	
64	Additional Clause 6.5 - Office Accommodation The contractor to provide standard office accomodation on site to house 12 persons to be used by the professional team for site meetings and site works. F:..... V:..... T:.....	Item	
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	Brought Forward		R
65	<p>Additional Clause 6.6 - Advertising rights and notice</p> <p>The contractor to erect a main notice board according to the Architect's specifications (3000mm wide x 3000mm High) and local municipality regulations.</p> <p>Existing signboard (Employers) is to be kept displayed on site and maintained. The successful main contractor may alter the position of the signage (to be approved by the principal agent) at his own costs.</p> <p>F:..... V:..... T:.....</p> <p><u>Prime cost amounts (B7)</u></p>	Item	
66	<p>Clause 7.1 - Responsibility for prime cost amounts</p> <p>Clause 7.1 is amended by the omission of "hoisting and fixing" in the second sentence and replacing with "hoisting, wastage and fixing."</p> <p>Clause 7.1 is further amended by deletion of "The contract documents shall make provision for the contractor to separately price" in the second sentence and replacing with "The contractor shall include in the rate for the item".</p> <p>The client reserves the right to omit the PC amount and the associated waste factor in totality and supply the contractor with these items on site in which case only the extra over amount shall be used for installation including all associated cost and profit.</p> <p>F:..... V:..... T:.....</p> <p><u>Special attendance on n/s subcontractors (B8)</u></p>	Item	
67	<p>Clause 8.1 - Special attendance</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
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	Brought Forward		R
	<u>General (B9)</u>		
68	Clause 9.1 - Protection of the works F:..... V:..... T:.....	Item	
69	Clause 9.2 - Protection/isolation of existing/ occupied works F:..... V:..... T:.....	Item	
70	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item	
71	Clause 9.4 - Notice before covering work F:..... V:..... T:.....	Item	
72	Clause 9.5 - Disturbance F:..... V:..... T:.....	Item	
73	Clause 9.6 - Environmental disturbance F:..... V:..... T:.....	Item	
74	Clause 9.7 - Works cleaning and clearing Great emphasis will be placed upon orderliness and cleanliness of the site during construction and finishing of the project and the contractor shall ensure that this condition is met by himself and all of his subcontractors at all times. F:..... V:..... T:.....	Item	
	Carried Forward		R
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	Brought Forward		R
75	Clause 9.8 - Vermin F:..... V:..... T:.....	Item	
76	Caluse 9.9 - Overhand work F:..... V:..... T:.....	Item	
	Schedule of variables (B10) <p>Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract</p> <div> 10.1 - Provisional bills of quantities [2.2] The quantities are provisional Yes </div> <div> 10.2 - Availability of construction documentation [2.3] Construction documentation is complete No </div> <div>10.3 - Previous work - dimensional accuracy [3.1]</div> <div>10.4 - Previous work - defects [3.2]</div> <div>10.5 - Inspection of adjoining properties [3.3]</div> <p>The contractor must inspect the existing buildings adjoining and report in writing, so no claims can be made by the client to the contractor of damages to existing structures.</p> <div>10.6 - Water [7.2]</div> <div> Option A (by contractor) Yes Option B (by employer - free of charge) No Option C (by employer - metered) No </div>		
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10.7 - Electricity [7.3]					
Option A (by contractor)	Yes				
Option B (by employer - free of charge)	No				
Option C (by employer - metered)	No				
10.8 - Telecommunications [7.4]					
Telephone (At contractors office and on site)	Yes				
Facsimile (At contractors office and on site)	Yes				
E-mail (At contractors office and on site)	Yes				
10.9 - Ablution facilities [7.5]					
Option A (by contractor)	Yes				
Only approved chemical toilets will be allowed.					
Option B (by employer)	No				
10.10 - Protection of the works [9.1]					
All existing and new					
10.11 - Protection/isolation of existing/sectionally occupied works [9.2]					
Protection/isolation is required	Yes				
10.12 - Disturbance [9.5]					
All noisy works to be kept to minimum.					
10.13 - Environmental disturbance [9.6]					
Removal of Asbestos structures/materials should be done in accordance with the latest Occupational Health and Safety Act, Asbestos Regulations.					
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ADDITIONAL VARIABLES

CONTRACTING AND OTHER PARTIES

1. Employer **Ehlanzeni TVET College**

Physical address **29 Bell Street, Nelspruit**

Code 1200

Telephone **013 712 6640**

Fax

E-mail

jerry.zulu@ehlanzenicollege.co.za

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<p>CONTRACT DETAILS</p> <p>8. Works description</p> <p>In general the works comprise of the following:</p> <p>Refurbishment of 2x student hostels, with 2x laundries and a kitchen</p> <p>9. Site description</p> <p>Site is located at:</p> <p>Mpumalanga TVET Mlumati Campus Kamhlushwa-A</p> <p>GPS Coordinates</p> <p>Latitude South : deg.S 25° 40' 5.969"</p> <p>Longitude East : deg.E 31° 41' 26.719"</p> <p>10. Work or installations by direct contractors:</p> <p style="text-align: center;">Yes where applicable</p> <p>11. This agreement is for a TVET College contract</p> <p style="text-align: center;">No. ETVETC/MLU/HS/2024/01</p> <p>12. Possession of the site is intended to be given on To be confirmed in 2025</p> <p>13. Period for the commencement of the Works after the Contractor takes possession of the site</p> <p style="text-align: center;">Working days (7) Seven</p> <p>14. Completion in sections of the works is required</p> <p style="text-align: right;">No</p>			
<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>			
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77	15.	Intended date of practical completion and the penalty per calendar day for : excluding builders and public holidays. Penalty: R 18 200.00 per calendar day An additional penalty for not achieving works completion as per clause 25.4 Penalty: R 9 100.00 per calendar day	Item		
	16.	Arbitration rules <i>(if applicable)</i> Arbitration rules as recommended by the relevant Association of Arbitrators.			
	17.	The law applicable to this agreement shall be that of South Africa			
	18.	Penalty for beneficial completion N/A			
	INSURANCES				
	19.	Contracts works insurance to be effected by: Contractor For the sum of: Contract Sum plus 20% With a deductible of: Maximum of R20 000-00 for any one occurrence			
	20.	Supplementary insurance is required SASRIA Yes			
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Brought Forward		R
21.	Public Liability Insurance to be effected by : <div style="text-align: right;">Contractor</div> For the sum of R 2 000 000-00 with the deductible of Max of R 20 000-00	
DOCUMENTS		
22.	Waiver of the Contractor's lien or right of continuing possession is required. <div style="text-align: right;">Yes, no Payment Guarantee will be implemented by the Employer</div>	
23.	Construction document and drawings copies to be supplied to the Contractor free of charge. <div style="text-align: right;">Number of 3</div>	
24.	Bills of Quantities/Schedule of Rates drawn up in accordance with: Standard System of Measuring Building Work 2015/ Revised Seventh edition	
25.	JBCC Engineering General Conditions are to be included in the contract documents. <div style="text-align: right;">No</div>	
26.	The contract will be a fixed price contract. The Contractor to allow for his own escalation and include it in his priced rates <div style="text-align: right;">Yes</div>	
27.	Details of changes made to the provisions of JBCC standard documentation.	
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<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Engineering General Conditions are included			
78	Black economic empowerment and training F:..... V:..... T:.....	Item	
79	Proprietary branded products F:..... V:..... T:.....	Item	
The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorised representative			
80	Contract instructions F:..... V:..... T:.....	Item	
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	Brought Forward		R
	<p>Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor</p> <p>Contract instructions to the contractor and his subcontractor may be issued only by the Principal Agent, Project Manager or his authorized representative and must be issued via the contractor. Copies of all contract instructions issued shall be submitted to the Principal Agent and the Quantity Surveyor within 48 hours of issue all Contract Instructions demarcated having cost implications or an extension of time effect, must be signed by the Principal Agent or his authorized representative prior to the work being executed.</p>		
81	<p>Labour record</p> <p>F:..... V:..... T:.....</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesmen and labourers employed by him and all subcontractors on the works each day of that week</p>	Item	
82	<p>Plant record</p> <p>F:..... V:..... T:.....</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week</p>	Item	
83	<p>Guarantees</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
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84	<p>Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. The principal agent shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement</p> <p>Overtime</p> <p>F:..... V:..... T:.....</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p>	Item
85	<p>Co-operation of contractor for cost management</p> <p>F:..... V:..... T:.....</p>	Item
Carried Forward		R
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	<p>The contractor shall comply with all the requirements set out in the Construction Regulations 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of parial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including extension of time or interest, due to such delay of payment.</p> <p>Provisions for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p>Contractor to comply with all required Occupational Health and Safety Specifications including Asbestos Act.</p>		
87	<p>Allow for the compulsory equipment and clothing, ie hats, safety shoes, safety clothing, safety glasses, safety masks, harnesses, etc</p> <p>F:..... V:..... T:.....</p>	Item	
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	Brought Forward		R
88	Allow for all compulsory health and safety posters, boards, etc F:..... V:..... T:.....	Item	
89	Allow for all compulsory health and safety workshops, meetings, lectures, demonstrations, etc F:..... V:..... T:.....	Item	
90	Allow for all compulsory health and safety pamphlets, cards, paperwork, etc to each worker, consultant, public individual, etc coming onto the site F:..... V:..... T:.....	Item	
91	Allow for compulsory health and safety files that must be completed daily and must be handed to the employer on completion of the contract F:..... V:..... T:.....	Item	
92	Scope of Application as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
93	Notification of Construction Work as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
94	Employer's responsibilities as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
95	Principal Contractor's responsibility as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
96	Supervision of construction work as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
97	Risk assessment as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
98	Fall protection as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Preliminaries and General Bill No. 1 Preliminaries		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R
99	Structures Formwork and Support as per Act No 85 of 1993 F:..... V:..... T:.....	Item
100	Excavation as per Act No 85 of 1993 F:..... V:..... T:.....	Item
101	Demolotion work as per Act No 85 of 1993 F:..... V:..... T:.....	Item
102	Tunnelling as per Act No 85 of 1993 F:..... V:..... T:.....	Item
103	Scaffolding as per Act No 85 of 1993 F:..... V:..... T:.....	Item
Carried Forward		R
Section No. 1 Preliminaries and General Bill No. 1 Preliminaries		

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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	Brought Forward		R
104	Suspended platforms as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
105	Botswains chairs as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
106	Materials hoists as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
107	Batch plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
108	Explosive powered tools as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
109	Cranes as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Preliminaries and General Bill No. 1 Preliminaries		

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
110	Construction vehicles and mobile plant as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
111	Electrical installations and machinery on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
112	Use and temporary storage of flammable liquids on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
113	Water environments as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
114	Housekeeping on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
	Carried Forward		R
	Section No. 1 Preliminaries and General Bill No. 1 Preliminaries		

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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	Brought Forward	R	
115	Stacking and storage on construction sites as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
116	Fire precautions as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
117	Construction welfare as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
118	Approved inspection Authorities as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
119	Offences and penalties as per Act No 85 of 1993 F:..... V:..... T:.....	Item	
	Carried Forward	R	
	Section No. 1 Preliminaries and General Bill No. 1 Preliminaries		

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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	Brought Forward		R
120	<p>Repeal of regulations as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item	
121	<p>Short title as per Act No 85 of 1993</p> <p>F:..... V:..... T:.....</p>	Item	
122	<p>Obligatory Sub-contracting and Training</p> <p>F:..... V:..... T:.....</p> <p>The Principal Agent and the Contractor shall at all times make sure that the work complies with the relevant specifications, standards and norms as contained in this tender.</p> <p>The Principal Agent and the Contractor shall provide for the necessary skills transfer and assistance to complete the sub-contracted section of the works.</p> <p>The Principal Agent and the Contractor shall provide the necessary documentation to the Domestic Sub-Contractor for upgrading of the rating by CIDB.</p>	Item	
123	<p>Expanded Public Works Programme</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

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Brought Forward			R
	The Contractor shall study the guidelines for the implimentation of labour-intensive infrastructure projects under the Expanded Public Works Programme (EPWP) attached to this document. The Contractor shall take note of the requirements and inform all selected and or other sub-contractors, as no claim afterwards will be entertained		
124	C11.1 Local and targeted labour F:..... V:..... T:.....	Item	
125	Allow for regular submission of proof of employment of local skilled and unskilled labour to Employer's representative F:..... V:..... T:.....	Item	
126	Training allowance paid to targeted labour in respect of formal training. F:..... V:..... T:.....	Item	
127	Extra over for the administration of payment of training allowances to targeted labour F:..... V:..... T:.....	Item	
Carried Forward			R
Section No. 1 Preliminaries and General Bill No. 1 Preliminaries			

BILLS OF QUANTITIES
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	Brought Forward		R
128	<p>Transport and accommodation of workers for training where it is not possible to undertake the training in close proximity to the site</p> <p>F:..... V:..... T:.....</p>	Item	
129	<p>C12: Contract drawings</p> <p>F:..... V:..... T:.....</p> <p>The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</p>	Item	
130	<p>C13: General preambles</p> <p>F:..... V:..... T:.....</p>	Item	
131	<p>C14: Trade names</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

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Brought Forward				R
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				
132	C15: Community Liaison Officer			
	F:..... V:..... T:.....			
		Item		
133	Provide the amount of R7,500.00/month (Seven Thousand Rand per month) for the appointment of a Community Liaison Officer			
	F:..... V:..... T:.....			
		Mnths	18	
134	C16: SANS 1921-6: HIV/AIDS Awareness read in conjunction with the Associated Specification Data			
	F:..... V:..... T:.....			
		Item		
135	General requirements (Clause 4.1)			
	F:..... V:..... T:.....			
		Item		
Carried Forward				R
Section No. 1 Preliminaries and General Bill No. 1 Preliminaries				

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BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2 HOSTEL BLOCKS A&B</u>			
	<u>BILL NO. 1</u>			
	<u>ALTERATIONS</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<p>NOTE: Contractors are advised to study the Model Preambles for Trades and PW371</p> <p>-----</p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or alterations become necessary.</p> <p>The Contractor shall cover up and protect from injury all</p>			
	Carried Forward		R	
	Section No. 2 Hostel Block A & B Bill No. 1 Alterations			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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Brought Forward	R
<p>work not removed and shall make good at his own expense any damage that may occur.</p> <p>Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p> <p>Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.</p> <p>Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.</p> <p>Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.</p> <p>Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.</p> <p>Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.</p> <p>Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both</p>	
Carried Forward	R
<p>Section No. 2 Hostel Block A & B Bill No. 1 Alterations</p>	

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<p style="text-align: right;">Brought Forward</p> <p>sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p>OLD MATERIALS TO BE CARTED AWAY: Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p>OLD MATERIALS NOT TO BE RE-USED: None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR: Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p>HANDING OVER OF MATERIALS: Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p>The Contractor shall locate the relevant disposal area for asbestos</p> <p>Upon disposal, Contractor shall be expected to submit disposal certificate before payment is made as per Occupational Health and Safety Act (Act 85 of 1993) and the Asbestos Abatement Regulations, such as the 2020 regulations</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Hostel Block A & B Bill No. 1 Alterations</p>		R	

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<hr/>			
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking down and removing concrete works and carting away the rubble</u>			
1	Concrete surface beds	m2	11
2	Aprons	m2	587
<u>Breaking down and removing brickwork etc</u>			
3	230mm Brick Walls	m2	110
<u>Taking down and removing roofs, etc</u>			
4	Careful removal of existing Asbestos roof covering and disposal thereof at areas formalized for asbestos disposal	m2	2,574
5	Carefully take out and remove existing ceiling and brandering to receive new ceiling (measured elsewhere)	m2	3,141
6	Remove insulation	m2	3,183
<u>Taking out and removing doors, windows, etc including thresholds, sills, etc including making good face brickwork on both sides</u>			
7	Timber single door 813 x 2032mm high	No	178
8	Timber double door 1610 x 2032mm high	No	14
9	Window size 1.511x1.540mm	No	4
10	Room vents 1200 x 600mm high	No	232
11	1613 x 2032mm Fixed panel doors	No	8
Carried Forward			R
Section No. 2 Hostel Block A & B Bill No. 1 Alterations			

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward			R
	<u>Hacking up/off and removing existing plaster and preparing surfaces for new plaster (measured elsewhere)</u>			
12	On internal walls	m2	1,292	
13	On external walls	m2	160	
	<u>Hacking up/off and removing existing tiling and preparing surfaces for new tiling (measured elsewhere)</u>			
14	On floors	m2	3,862	
15	On walls	m2	1,292	
	<u>Taking out and removing carpentry and joinery work, and prepare surface to receive new (Measured elsewhere)</u>			
16	Pin-up Board	No	4	
	<u>Taking out and removing damaged sundry joinery work, and prepare surface to receive new (Measured elsewhere)</u>			
17	Timber skirting from brickwork	m	2,834	
	<u>Taking out and removing glass and mirrors (provisional)</u>			
18	Carefully remove cracked or broken glazing in panes exceeding 0,1m2 and not exceeding 2,5m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	100	
	<u>Taking out and removing existing ironmongery, replace with new (Measured elsewhere)</u>			
19	Toilet paper roll holder	No	36	
	Carried Forward			R
	Section No. 2			
	Hostel Block A & B			
	Bill No. 1			
	Alterations			

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Brought Forward			R
<u>Taking out and removing sanitary ware, and prepare surface to receive new (Measured elsewhere)</u>			
Wash hand basin	No	70	
Water closet	No	36	
Urinal	No	16	
Shower fittings	No	50	
Bath	No	4	
<u>Taking out and removing Steel palisade Fence with Post and prepare to install new Clear view fencing (Measured elsewhere)</u>			
Steel Palisade Fence complete with Post	m	463	
Vehicular gate, inclusive of posts and tracks	No	2	
Pedestrian gate	No	2	
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>Scraping and removing existing paint to walls and soffits, and prepare surface to receive new paint (new paint measured elsewhere)</u>			
On internal walls	m2	8,359	
On external walls	m2	1,815	
<u>SERVICING EXISTING ITEMS</u>			
<u>Servicing existing windows</u>			
Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	164	
Carried Forward			R
Section No. 2 Hostel Block A & B Bill No. 1 Alterations			

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Brought Forward			R
<u>Servicing existing doors</u>			
31	Carefully examine hinges, handles and stays to steel doors, replace putty to glazing of steel doors and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	12
<u>CLEANING EXISTING SURFACES</u>			
<u>Cleaning existing surfaces with SABS approved products</u>			
32	Stoep area floor tiles	m2	29
33	Wall tiles	m2	160
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Hostel Block A & B			
Bill No. 1			
Alterations			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 2</u>			
<u>EARTHWORKS (PROVISIONAL)</u>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			

<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Nature of ground</u>			
The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"			
<u>Carting away of excavated material</u>			
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
<u>SITE CLEARANCE ETC</u>			
<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	7
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
2	Trenches	m3	4
3	Holes	m3	1
Carried Forward			R
Section No. 2 Hostel Block A & B Bill No. 2 Earthworks			

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>Extra over trench and hole excavations in earth for excavation in</u>			
4	Soft rock	m3	Rate Only
5	Hard rock	m3	Rate Only
<u>Risk of collapse of excavations</u>			
6	Sides of trench and hole excavations not exceeding 1,5m deep	m2	11
<u>Keeping excavations free of water</u>			
7	Keeping excavations free of all water other than subterranean water		Item
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u>			
8	Backfilling to trenches, holes, etc	m3	1
<u>Coarse river sand filling supplied by the contractor</u>			
9	Backfill top 35mm river sand blinding beneath surface bed	m3	24
<u>Compaction of surfaces</u>			
10	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2	12
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Hostel Block A & B			
Bill No. 2			
Earthworks			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 3</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Cost of tests</u>			
The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)			
<u>Formwork</u>			
Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.			
The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
Carried Forward		R	
Section No. 2 Hostel Block A & B Bill No. 3 Concrete,Formwork and Reinforcement			

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Brought Forward			R
Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described			
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			

<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
1	Surface beds on waterproofing	m3	2
2	Bases	m3	1
3	Ramps (Provisional)	m3	2
4	Slabs including beams and inverted beams	m3	18
5	Walls in foundations (Provisional)	m3	3
6	Aprons	m3	59
<u>TEST BLOCKS</u>			
7	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	9
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a steel float</u>			
8	Surface beds, slabs, etc	m2	12
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>			
Carried Forward			R
Section No. 2 Hostel Block A & B Bill No. 3 Concrete,Formwork and Reinforcement			

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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	Brought Forward			R
	<u>Rough formwork to sides</u>			
9	Walls in foundations (Provisional)	m2	12	
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
	<u>Smooth formwork to sides</u>			
10	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	54	
	<u>Smooth formwork to soffits</u>			
11	Slabs not exceeding 250mm thick propped up exceeding 1,5m and not exceeding 3,5m high	m2	83	
	<u>Boxing in smooth formwork to form (Provisional)</u>			
12	20 x 20mm Vertical chamfer at corner	m	7	
13	25 x 25mm Chamfer along top or bottom edge	m	26	
	<u>MOVEMENT JOINTS ETC</u>			
	<u>Expansion joints with closed cell expanded polystyrene joint filler between vertical concrete and/or brick surfaces</u>			
14	10mm Joints not exceeding 300mm high	m	4	
	<u>Saw cut joints</u>			
15	3 x 40mm Saw cut joints in top of concrete	m	235	
	<u>REINFORCEMENT (PROVISIONAL)</u>			
	<u>High tensile steel reinforcement to structural concrete work</u>			
16	All Diameter bars	t	1.23	
	<u>Fabric reinforcement</u>			
17	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	83	
	Carried Forward			R
	Section No. 2			
	Hostel Block A & B			
	Bill No. 3			
	Concrete,Formwork and Reinforcement			

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Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 4</u>			
<u>MASONRY</u>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Brickwork</u>			
<u>Sizes in descriptions</u>			
Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.			
<u>Hollow walls etc</u>			
Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
<u>Face bricks</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			

		R	
Section No. 2 Hostel Block A & B Bill No. 4 Masonry		Carried Forward	

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
1	Half brick walls in beam filling	m2	230
2	One brick walls	m2	232
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
3	75mm Wide reinforcement built in horizontally	m	335
4	150mm Wide reinforcement built in horizontally	m	278
<u>Galvanised hoop iron cramps, ties, etc</u>			
5	4mm Diameter roof tie 2m girth bent double with one end fixed to timber and other end built into brickwork	No	464
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Hostel Block A & B			
Bill No. 4			
Masonry			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 5</u>			
	<u>WATERPROOFING</u>			
	Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Waterproofing</u>			
	Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets, etc. with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>			
1	Under surface beds	m2	587	
	<u>WATERPROOFING TO ROOFS, BASEMENTS, SHOWERS, ETC</u>			
	<u>"Sika Cemflex" or similar approved waterproofing as per manufacturer's specifications</u>			
2	Duraflex Flexible waterproofing slurry including polyprop membrane and two additional layers over membrane, all layers to 1mm dry film thickness	m2	321	
	<u>Supply and install 4mm "Derbigum SP4" torch-on fully bonded waterproofing</u>			
3	On flat floors not exceeding 25 degrees from the horizontal	m2	336	
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2			
	Hostel Block A & B			
	Bill No. 5			
	Waterproofing			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 6</u>				
<u>ROOF COVERINGS ETC</u>				
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill				

<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
<u>Galvanised Klip-Lock 700 (056mm) Roof Sheeting Finished with "Chromadek®" (C2S) Exterior : Dark Dolphin colour coated finish to one side and standard backing coat in single lengths fixed to mild steel channel/ timber purlins/ girts</u>				
1	Roof covering with pitch not exceeding 25 degrees, fixed on steel roof trusses	m2	2,054	
2	Side cladding	m2	733	
3	External sheeting to ceiling	m2	327	
4	Barge board	m	43	
5	Headwall flashing	m	2,177	
6	Corner flashing	m	1,633	
<u>ROOF AND WALL INSULATION</u>				
Carried Forward				R
Section No. 2 Hostel Block A & B Bill No. 6 Roof covering, etc				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R
7	<p><u>"Alucushion" insulation</u></p> <p>4mm Alulite® FR (Fire Retardant) - white polyethylene coated single sided aluminium foil insulation Code FTC 16/082 as supplied by Alulite®. Laid taut over purlins and fixed concurrent with roof covering; overlapped longitudinally by 100mm; on and including white PVC coated straining wire spaced at 383mm centres; all in strict accordance with the manufacturers specifications</p>	3,183
<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Hostel Block A & B Bill No. 6 Roof covering, etc</p>		R

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 7</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Particle board</u>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<u>Joinery</u>			
Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
<u>Decorative laminate finish</u>			
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
Carried Forward			R
Section No. 2 Hostel Block A & B Bill No. 7 Carpentry and Joinery			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>Doors</u>			
<u>Wrought meranti</u>			
1	FLB back meranti double door size 1610 x 2032mm	No	14
2	Sapele Veneer MD 2CE size 813 x 2032mm	No	178
<u>"Bitcon Industries" fire doors with 3mm thick Masonite to both sides</u>			
3	Class B fire double door 1 800 x 2 032mm high including pressed steel frame for one brick wall and preparing frame for door closer (Installation only)	No	8
4	Class B fire single door 823 x 2 032mm high including pressed steel frame for one brick wall and preparing frame for door closer (Installation only)	No	2
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Hostel Block A & B			
Bill No. 7			
Carpentry and Joinery			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 8</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as "bolted" the bolts have been given elsewhere.			
	<u>NAILED UP CEILINGS</u>			
	<u>6mm "Everite Nutec" fibre-cement plasterboard with H-type pressed steel jointing strips</u>			
1	Ceilings including 50 x 75mm sawn softwood brander at 600mm centres	m2	3,141	
2	Extra over ceiling for 700 x 700mm trap door of 38 x 38mm wrought softwood rebated framing with one 150 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush opening (Provisional)	No	144	
	<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	2,656	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Hostel Block A & B			
	Bill No. 8			
	Ceilings, Partitioning and Access flooring			

Item No		Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 9</u>				
<u>IRONMONGERY</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Finishes to ironmongery</u>				
<u>All items necessary to be replaced should match existing or similar approved</u>				
Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:				
BS - Satin bronze lacquered				
CH - Chromium plated				
SC - Satin chromium plated				
SE - Silver enamelled				
GE - Grey enamelled				
AS - Anodised silver				
AB - Anodised bronze				
AG - Anodised gold				
ABL - Anodised black				
PB - Polished brass				
PL - Polished and lacquered				
PT - Epoxy coated				
SD - Sanded				
<u>BATHROOM FITTINGS</u>				
<u>Shower panels and doors</u>				
1	941 x 1800mm White shower pivot	No	52	
2	1689 x 1800mm Shower panel	No	36	
<u>"Franke" or similar approved</u>				
3	Wall mounted foldable shower seat	No	2	
Carried Forward				R
Section No. 2 Hostel Block A & B Bill No. 9 Ironmongery				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward		R
4	Drop in 1200 x 480 DEB incl 90mm Sink	No	4
	<u>"Twinsaver" or similar approved</u>		
5	"0530" - Foam soap dispenser	No	38
6	"0571" - TR2 Toilet paper holder	No	36
7	Chrome shower soap holder	No	50
8	Slimroll Hand Towel Dispenser	No	16
9	Stainless steel wall mounted bin (18L)	No	8
10	Foot pedal sanitary she bin 19l	No	36
	<u>Purpose made wall mounted grab rails</u>		
11	750mm Plumline ss cistern grab rail	No	2
12	600mm Splashaid straight grab rail	No	6
	<u>HINGES, BOLTS, ETC</u>		
	<u>"Union" or similar approved</u>		
13	102 x 75 x 3mm Door hinge	No	412
	<u>WRITING BOARDS, PINNING BOARD, ETC</u>		
	<u>(PROVISIONAL)</u>		
	<u>"Parrot products"</u>		
14	"BDO476" 3000 X 1200mm Aluminium framed carpet bulletin board	No	12
	<u>LOCKS</u>		
	<u>"QS Products" or similar approved</u>		
15	"QS575/1" Three ever cylinder latch lock and deadbolt	No	178
	Carried Forward		R
	Section No. 2		
	Hostel Block A & B		
	Bill No. 9		
	Ironmongery		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>HANDLES</u>			
<u>"Dormakaba" or similar approved</u>			
16	Satin Chrome CB30 handle on 40 x 190mm round keyhole plate	No	206
<u>LETTERS, NAMEPLATES, ETC (PROVISIONAL)</u>			
17	60 x 3mm Thick perspex plate with two 40mm high engraved and painted numerals	No	72
<u>SUNDRIES</u>			
<u>"Union" or similar approved</u>			
18	"AL8730AS" door stop plugged	No	28
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Hostel Block A & B			
Bill No. 9			
Ironmongery			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 10</u>			
	<u>METALWORK</u>			
	<p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this Bill.</p> <p>-----</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of bolts, expansion anchors and bolts and chemical anchors and bolts shall be deemed to include all holes, nuts, washers and mortices in brickwork or concrete</p> <p>-----</p>			
	<p><u>Standard of finish</u></p> <p>All stainless steel material to be used to be of stainless steel Grade 304, brushed to 180 grit</p> <p>All mild and structural steel shall be painted as follows unless otherwise stated:</p> <p>Apply one coat UC 182 "Plascon Plascoprime" Primer in accordance with manufacturers specification.</p> <p>Apply two coats "Plascon Velvagio" Water Based Enamel colour mouse grey in accordance with manufacturers specification.</p>			
	<p><u>Fastening</u></p> <p>Unless otherwise stated, all connections to:</p> <ul style="list-style-type: none"> • Concrete shall be chemically anchored • Brickwork shall be expansion bolts • Metal to metal connections shall be welded 			
	Carried Forward			
	<p>Section No. 2</p> <p>Hostel Block A & B</p> <p>Bill No. 10</p> <p>Metalwork</p>		R	

REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Carried Forward

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

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BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward	R
<p><u>Welding</u></p> <p>Welding shall conform to SABS 0167 and be in accordance with SABS 044 "Welding : Parts I, II and III".</p> <p>Welding shall be carried out in a manner which will prevent any distortion of the weld or the parent section.</p> <p>All welds shall have adequate root fusion and shall be free from cracks, porosity or other irregularities and any undercutting shall be made good by the deposition of additional runs of weld metal. Any completed welds showing cracks, cavities or other defects shall be cut out and made good at the sub-contractor's own expense.</p> <p>Mild steel electrodes shall comply with SABS 455 "Covered Electrodes for Manual Arc Welding of Mild Steel and Medium High Tensile Steel".</p> <p>All welding to be 6mm fillet weld unless otherwise shown.</p> <p><u>Bolts</u></p> <p>All structural bolts shall be grade 4.6 unless otherwise noted.</p> <p>Bolts shall have well-formed heads forged from the solid (minimum sizes M16 or refer to engineer's drawings).</p> <p>Nuts shall closely fit the bolts so that they can only just be turned by hand and at least one clear thread shall project beyond the nut when fully tightened.</p> <p>All bolts shall have one washer under the nuts and shall be so tightened that the threaded portion does not bear on the members connected. Where bolt heads or nuts bear upon bevelled surfaces they shall be provided with tapered washers of 2,3mm mean thickness to provide a seating square with the axis of the bolt.</p>	
Carried Forward	R
<p>Section No. 2 Hostel Block A & B Bill No. 11 Structural Steelwork</p>	

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward	R
<p><u>Erection</u></p> <p>The steelwork generally id to be manufactured in the sub-contractor's works paying due regard to transport and erection facilities. Items may be detailed for delivery "piece small" or the sub-contractor may prefabricate if he is satisfied that suitable arrangement for transport can be made.</p> <p>Where temporary bracing or propping is necessary, the sub-contractor shall be responsible for the design, erection, maintenance and removal (where necessary) of such supports. If transport necessitates splicing of trusses, then a proposal of this shall be submitted to the engineer at an early stage for written approval.</p> <p>Connections are to be made for the forces indicated on the drawings or to the maximum capacity of the members.</p> <p>a) Before the sub-contractor commences erection, he shall check the levels and setting out of the holding down bolts and shall report any discrepancies immediately to the engineer.</p> <p>b) The sub-contractor shall submit to the engineer his proposed methods and procedures of erection.</p> <p>c) Temporary bracing should be used where necessary to ensure stability during the erection sequence.</p> <p>d) No permanent bolting or welding shall be carried out on any position of the steelwork until that position has been properly aligned and levelled.</p> <p>e) Cognizance should be taken of the fact that other contractors may also be on site and the sub-contractor shall conduct his erection work in such a manner as not to hamper or interfere with the work of the contractors.</p> <p>f) Any defects noticed by the engineer whether during or after erection shall, immediately after it was brought to the contractor's attention, be made good by the sub-contractor at his own expense.</p> <p>g) Draft pins, jacking equipment etc, shall not be used to bring incorrectly fabricated steelwork into place. No burning of holes in steelwork will be permitted without written consent of the engineer.</p>	
Carried Forward	R
<p>Section No. 2 Hostel Block A & B Bill No. 11 Structural Steelwork</p>	

Brought Forward		R
<p><u>Cleaning and Painting</u></p> <p>Corrosion protection shall consist of:</p> <p>i) Blast clean steelwork to Sa 2.5 of SIS 05-59-00 (or alternate to be approved by engineer)</p> <p>ii) Apply one coat (30 micron) red lead primer in accordance with SABS 681</p> <p>iii) Apply two coats (30 microns minimum) multi-purpose undercoat in accordance with SABS 681. Use Type I, otherwise use Type II if paint is applied within 16 hours of the application of red lead primer.</p> <p>iv) Apply one coat of Alkyd base enamel (30micron) to architect's colour specification. Damaged areas of paint shall be made good on site in accordance with SABS 0120.</p> <p>NOTE: For exposed steelwork (interior and exterior) i, ii, iii, and iv shall apply. for concealed roof trusses i and ii shall apply. Where applicable, grout shall be provided under the base plates before any primary loads are applied to the structure.</p> <p>All structural steel is to be thoroughly degreased to remove all grease or oil and when wire-brushed, scraped or sandpapered to remove all rust, mill scale or surface contaminations and is to be immediately given one coat zinc chromate primer prior to delivery to site. All damaged paintwork to be made good on site after erection is complete.</p> <p><u>Testing of Welders</u></p> <p>Tenderer must include in their rates for the testing of any welder used on the work who has not been tested within a period of six months immediately preceding employment on this contract.</p>		
1	Shop drawing in SS preliminaries	Item
Carried Forward		R
<p>Section No. 2 Hostel Block A & B Bill No. 11 Structural Steelwork</p>		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>STEEL COLUMNS AND BEAMS</u>			
<u>Welded columns in single lengths with flat section base, top, bearer and connection plates bolted to concrete base</u>			
2	100 x 100 x 3mm SHS-columns	t	0.60
3	300 x 300 x 5mm Flat section as base plate, fixed to stub column	t	0.11
4	M12 Bolt x 200mm long secured with chemical expansion anchor	No	128
<u>Sundries</u>			
5	Spot priming defects in pre-primed surfaces with zinc chromate primer and applying one coat universal under coat and two final coats "Plascon Velvaglo" alkyd enamel paint to steel - Colour (to be confirmed) Tenderers to price on "Plascon" specification only	t	0.72
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Hostel Block A & B			
Bill No. 11			
Structural Steelwork			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

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BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 13</u>			
	<u>TILING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	NOTE: PC Amount refer to the cost of material delivered to site excluding any discounts, grout, glue and VAT			
	<u>WALL TILING</u>			
	<u>200 X 200mm Johnsons wall tiles</u>			
1	On shower walls	m2	1,292	
	<u>FLOOR TILING</u>			
	<u>300 x 300mm white porcelain anti-slip mosaic tiles to match existing (Prime Cost Amount R 157.13/m2) fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
2	On shower floors	m2	78	
	Carried Forward		R	
	Section No. 2 Hostel Block A & B Bill No. 13 Tiling			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>600 x 600 Granito Grey Porcelain Floor Tile (Prime Cost sum of R 250/m²) , with 6mm joint with white grouting and laid on a thin bed cement based tile adhesive as approved</u>			
3	On floors and landings	m2	3,718
4	On narrow widths	m2	66
5	100mm high skirting	m	2,834
<u>SUNDRIES</u>			
<u>"Kirk Marketing"</u>			
6	"ASE 120.N " 12mm Aluminium Straight Edge trim" T1	m	3,503
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Hostel Block A & B			
Bill No. 13			
Tiling			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 14</u>				
<u>PLUMBING AND DRAINAGE</u>				
<u>(PROVISIONAL)</u>				
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill				

<u>SANITARY FITTINGS</u>				
<u>"Lecico"or similiar approved</u>				
1	White Eco Basin & Pedestal Combo ECOBPED - Including holes for hot and cold taps (Prime Cost Amount of R 900.00 Each)	No	70	
<u>"Vaal"or similar approved</u>				
2	"Klip" low level wc suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	36	
<u>"Franke" or similar approved</u>				
3	Sink waste	No	4	
4	Mens 1411mm wide Auto-flush Trough Urinal	No	8	
<u>"Vaal" or similar approved</u>				
5	Constantia white toilet seat with a chrome hinge	No	36	
6	White plumline amaro f/f cistern lid	No	36	
Carried Forward				R
Section No. 2 Hostel Block A & B Bill No. 14 Plumbing and Drainage				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>TRAPS, ETC</u>			
<u>"Marley"</u>			
7	32 x 50mm Deep seal "P" or "S" trap	No	74
<u>"ISM" or similar approved</u>			
8	50mm Shower trap including square chromium plated grating	No	50
<u>TAPS, VALVES, ETC</u>			
<u>"Victory" or similar approved</u>			
9	Chrome Plated Undertile Tap Headpart V37 Hot & Cold (Prime Cost Amount of R 550.00 Each) Including Concealed Part	No	50
<u>Brass shower head or similar approved</u>			
10	"SA03300" - Basic Brass Shower Head 50mm (Prime Cost Amount of R 340.00 Each) inclusive of shower arm	No	50
<u>"Cobra Watertech" or similar approved</u>			
11	Shower faucet system with hand shower spray	No	2
12	Chrome victory basin pillar tap	No	140
13	Chrome sink faucet mixer tap	No	4
<u>WATER SUPPLIES</u>			
<u>Class 0 copper pipes (provisional)</u>			
14	15mm Pipes chased into brick walls	m	600
<u>ELECTRIC WATER HEATERS</u>			
Carried Forward			R
Section No. 2 Hostel Block A & B Bill No. 14 Plumbing and Drainage			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>"Kwikot" or similar approved</u>			
15	150 Litre electric water heater wall mounted including standard with overflow pipe	No	12
16	200 Litre electric water heater wall mounted including standard with overflow pipe	No	20
<u>BUDGETARY ALLOWANCES</u>			
<u>The following budgetary allowances are for work to be executed by the main contractor: This work will be measured and valued at bill rates in accordance with clause 32 of the Principal Building Agreement or omitted if not required</u>			
17	Budgetary allowance of R800,000.00 (Eight Hundred Thousand Rand) for the remedy of waste pipes that may be damaged to ensure full functionality of the buildings drainage system to the Principal Agent's satisfaction.	Item	
<u>TESTING</u>			
18	Testing water pipe system	Item	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Hostel Block A & B			
Bill No. 14			
Plumbing and Drainage			

BILLS OF QUANTITIES

EHLANZENI TVET COLLEGE - MLUMATI CAMPUS

ETVETC/MLU/HS/2024/01

REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

SECTION NO. 2

BILL NO. 15

GLAZING

GLAZING TO METAL / WOOD WITH PUTTY OR BEADS

6,4mm Normal strength obscure laminated safety glass (provisional)

1	Panes exceeding 0,1m2 and not exceeding 0.5m2	m2	48
<u>6,4mm Normal strength clear laminated safety glass (provisional)</u>			
2	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	37
3	Panes exceeding 0,5m2 and not exceeding 1,0m2	m2	196
4	Panes exceeding 1,0m2 and not exceeding 1,5m2	m2	111
5	Panes exceeding 1,5m2 and not exceeding 2,0m2	m2	200

6,4mm Normal strength clear laminated safety glass
(provisional)

2	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	37
3	Panes exceeding 0,5m2 and not exceeding 1,0m2	m2	196
4	Panes exceeding 1,0m2 and not exceeding 1,5m2	m2	111
5	Panes exceeding 1,5m2 and not exceeding 2,0m2	m2	200

TOPS, SHELVES, DOORS, MIRRORS, ETC

**4mm Silvered float glass copper backed mirrors
with polished edges holed for and fixed with
chromium plated dome capped mirror screws with
rubber buffers to plugs in brickwork or concrete**

6	Mirror 600 x 900mm high with four screws	No	70
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Carried Forward to Summary of Section No. 2

Section No. 2
Hostel Block A & B
Bill No. 15
Glazing

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 16</u>				
<u>PAINTWORK</u>				
<u>PAINTWORK ETC TO EXISTING WORK</u>				
Note: All paintwork to be "Dulux" or similar approved product				
<u>ON FLOATED PLASTER</u>				
<u>One coat alkali resistant primer, one undercoat and two coats interior quality PVA emulsion paint</u>				
1	On internal walls	m2	8,359	
<u>One coat alkali resistant primer, one undercoat and two coats Grey Chic - 96YY 66/036</u>				
2	On external walls	m2	1,306	
<u>ON SMOOTH CONCRETE</u>				
<u>One coat alkali resistant primer, one undercoat and two coats Evening Shadow - 30BB 21/056</u>				
3	On external walls	m2	292	
<u>One coat alkali resistant primer, one undercoat and two coats Bumble Fun - 39YY52/91</u>				
4	On external walls	m2	217	
<u>Two coats "Cemcrete Thermoplastic Coating" applied in strict accordance with the manufacturer's instructions</u>				
5	To soffit of concrete slabs	m2	352	
Carried Forward				R
Section No. 2 Hostel Block A & B Bill No. 16 Paintwork				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward			R
<u>ON PLASTERBOARD</u>				
<u>One coat primer and two coats interior quality PVA emulsion paint</u>				
6	On ceilings and cornices	m2	3,769	
<u>ON METAL</u>				
<u>Sand down all the window frames. Window frames to be painted. Colour: DULUX BB 21/056-Evening Shadow.</u>				
7	On door frames	m2	341	
8	On metal doors	m2	29	
9	On windows with burglar bars	m2	131	
10	On staircase handrails	m2	1	
<u>ON WOOD</u>				
<u>Three coats polyurethane semi-gloss varnish</u>				
11	On doors	m2	680	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Hostel Block A & B				
Bill No. 16				
Paintwork				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

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BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

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BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3 - LAUNDRY A&B</u>			
<u>BILL NO. 1</u>			
<u>ALTERATIONS</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<p>NOTE: Contractors are advised to study the Model Preambles for Trades and PW371</p> <p>-----</p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or alterations become necessary.</p> <p>The Contractor shall cover up and protect from injury all</p>			
Carried Forward			
Section No. 3 Laundry Block A&B Bill No. 1 Alterations			R

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward	R
<p>work not removed and shall make good at his own expense any damage that may occur.</p> <p>Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p> <p>Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.</p> <p>Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.</p> <p>Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.</p> <p>Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.</p> <p>Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.</p> <p>Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both</p>	
Carried Forward	R
<p>Section No. 3 Laundry Block A&B Bill No. 1 Alterations</p>	

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

<p style="text-align: right;">Brought Forward</p> <p>sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p>OLD MATERIALS TO BE CARTED AWAY: Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p>OLD MATERIALS NOT TO BE RE-USED: None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR: Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p>HANDING OVER OF MATERIALS: Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p>The Contractor shall locate the relevant disposal area for asbestos</p> <p>Upon disposal, Contractor shall be expected to submit disposal certificate before payment is made as per Occupational Health and Safety Act (Act 85 of 1993) and the Asbestos Abatement Regulations, such as the 2020 regulations</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 3 Laundry Block A&B Bill No. 1 Alterations</p>		R	

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<hr/>			
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking down and removing roofs, etc</u>			
1	Careful removal of existing Asbestos roof covering and disposal thereof at areas formalized for asbestos disposal	m2	162
2	Carefully take out and remove existing ceiling and brandering to receive new ceiling	m2	111
3	Remove insulation	m2	162
<u>Taking out and removing doors, windows, etc including thresholds, sills, etc including making good face brickwork on both sides</u>			
4	Timber double door 1610 x 2032mm high	No	2
5	Steel gate 928 x 2032mm high	No	2
<u>Hacking up/off and removing existing plaster and preparing surfaces for new plaster (measured elsewhere)</u>			
6	On external walls	m2	80
<u>Hacking up/off and removing existing tiling and preparing surfaces for new tiling (measured elsewhere)</u>			
7	On floors	m2	134
<u>Taking out and removing glass and mirrors</u>			
8	Carefully remove cracked or broken glazing in panes exceeding 0,5m2 and not exceeding 1,0m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	6
Carried Forward			R
Section No. 3 Laundry Block A&B Bill No. 1 Alterations			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>Taking out and removing existing ironmongery, replace with new (Measured elsewhere)</u>			
9	Franke Wash Trough Double	No	12
<u>Taking out and removing taps, and prepare surface to receive new (Measured elsewhere)</u>			
10	Body bip taps 15mm	No	48
Carried Forward			R
Section No. 3 Laundry Block A&B Bill No. 1 Alterations			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>Scraping and removing existing paint to walls and prepare surface to receive new paint (new paint measured elsewhere)</u>			
11	On internal walls	m2	215
12	On external walls	m2	418
<u>Scraping and removing existing paint to window frames and preparing surface to receive new paint finish (new paint finish measured elsewhere)</u>			
13	Door frames	m2	4
14	Window frames with burglar bars	m2	11
<u>SERVICING EXISTING ITEMS</u>			
<u>Servicing existing windows</u>			
15	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	24
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Laundry Block A&B			
Bill No. 1			
Alterations			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS ETC</u>			
	Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			

	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
	<u>0,5mm Galv.Klip-Lok 700 roof sheeting finished with "Chromadek®"(C2S) EXTERIOR: Dark dolphin with standard underside colour fixed to mild steel channel/ timber purlins/ girts</u>			
1	Roof covering with pitch not exceeding 25 degrees, fixed on existing roof trusses	m2	162	
2	Barge board	m	88	
	<u>ROOF AND WALL INSULATION</u>			
	<u>"Alucushion" insulation</u>			
3	4mm Alulite® FR (Fire Retardant) - white polyethylene coated single sided aluminium foil insulation Code FTC 16/082 as supplied by Alulite®. Laid taut over purlins and fixed concurrent with roof covering; overlapped longitudinally by 100mm; on and including white PVC coated straining wire spaced at 383mm centres; all in strict accordance with the manufacturers specifications	m2	162	
	Carried Forward to Summary of Section No. 3		R	
	Section No. 3			
	Laundry Block A&B			
	Bill No. 2			
	Roof covering, etc			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 3</u>			
<u>CARPENTRY AND JOINERY</u>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Particle board</u>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<u>Joinery</u>			
Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<u>Fixing</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete			
<u>Decorative laminate finish</u>			
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
Carried Forward			R
Section No. 3 Laundry Block A&B Bill No. 3 Carpentry and Joinery			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>ROOF CONSTRUCTION</u>			
<u>Plate nailed timber roof truss construction</u>			
The following is applicable in respect of roof trusses:			
Trusses to be designed by speacialist			
<u>Roof construction with 185mm overhang including wall plates, purlins, bracing etc</u>			
1	Roof construction of complete building as per attached drawings	m2	162.44
<u>Sundries</u>			
2	Two coats creosote on sawn timbers	m2	20
<u>Doors</u>			
<u>Wrought meranti</u>			
3	FLB back meranti double door size 1610 x 2032mm, fitted with handles, locks and hinges	No	2
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Laundry Block A&B			
Bill No. 3			
Carpentry and Joinery			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 4</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as "bolted" the bolts have been given elsewhere.			
<u>NAILED UP CEILINGS</u>			
<u>6mm "Everite Nutec" fibre-cement plasterboard with H-type pressed steel jointing strips</u>			
1	Ceilings including 50 x 75mm sawn softwood brander at 600mm centres	m2	111
2	Extra over ceiling for 700 x 700mm trap door of 38 x 38mm wrought softwood rebated framing with one 150 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush opening (Provisional)	No	2
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	78
Carried Forward to Summary of Section No. 3			R
Section No. 3 Laundry Block A&B Bill No. 4 Ceilings, Partitioning and Access flooring			

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BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>LOCKS</u>			
<u>"QS Products" or similar approved</u>			
2	"QS575/1" Three ever cylinder latch lock and deadbolt	No	2
<u>HANDLES</u>			
<u>"Dormakaba" or similar approved</u>			
3	Satin Chrome CB30 handle on 40 x 190mm round keyhole plate	No	4
<u>LETTERS, NAMEPLATES, ETC</u>			
4	60 x 3mm Thick perspex plate with two 40mm high engraved and painted numerals	No	4
<u>SUNDRIES</u>			
<u>"Union" or similar approved</u>			
5	"AL8730AS" door stop plugged	No	4
<p align="center">Carried Forward to Summary of Section No. 3</p> <p>Section No. 3 Laundry Block A&B Bill No. 5 Ironmongery</p>			R

BILLS OF QUANTITIES
 EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
 ETVETC/MLU/HS/2024/01
 REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 6</u>			
	<u>METALWORK</u>			
	<p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this Bill.</p> <p>-----</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of bolts, expansion anchors and bolts and chemical anchors and bolts shall be deemed to include all holes, nuts, washers and mortices in brickwork or concrete</p> <p>-----</p>			
	<p><u>Standard of finish</u></p> <p>All stainless steel material to be used to be of stainless steel Grade 304, brushed to 180 grit</p> <p>All mild and structural steel shall be painted as follows unless otherwise stated:</p> <p>Apply one coat UC 182 "Plascon Plascoprime" Primer in accordance with manufacturers specification.</p> <p>Apply two coats "Plascon Velvagio" Water Based Enamel colour mouse grey in accordance with manufacturers specification.</p>			
	<p><u>Fastening</u></p> <p>Unless otherwise stated, all connections to:</p> <ul style="list-style-type: none"> • Concrete shall be chemically anchored • Brickwork shall be expansion bolts • Metal to metal connections shall be welded 			
	Carried Forward		R	
	<p>Section No. 3 Laundry Block A&B Bill No. 6 Metalwork</p>			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>Compliance</u>			
All balustrading to comply with SANS 10400 & SANS 10160. Installer to table a Balustrade Compliance Certificate on completion of balustrade installation			
All angle deviations horizontal or vertical to be by means of seamless mitred joints except for landing termination bends. Workmanship sample to be tabled for approval			
Shop drawings are to be tabled for approval before manufacturing			
1	Shop drawing in SS preliminaries	Item	
<u>WELDED SCREENS, GATES, ETC</u>			
2	Single gate 928 x 2076mm high formed of 50 x 50 x 2.5mm square tubing outer frame, with 30 x 30 x 2mm diagonal square tubing bars welded at 100mm centres maximum, complete with bullet hinges welded on, and locking mechanism suitable for and including padlock.	No	2
<u>LIGHT STEEL FRAME ROOF TRUSSES</u>			
<u>Ultra-span MiTek light gauge steel roof trusses</u>			
3	Supply, Design and installation of light gauge steel framed roof trusses including mag sockets, speed bracings, Hat channels, Steel battens, Roof sheeting screws, Wall plates, labour and transport. Include Engineers certificate	m2	147
Carried Forward to Summary of Section No. 3			
Section No. 3			R
Laundry Block A&B			
Bill No. 6			
Metalwork			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BILL NO. 7</u>				
<u>PLASTERING</u>				
NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this Bill.				
<u>EXTERNAL PLASTER</u>				
<u>One coat plaster (1:5) wood floated on concrete</u>				
1	On walls	m2	40	
<u>INTERNAL PLASTER</u>				
<u>1:4 Cement plaster on brickwork finished with a plastic trowel</u>				
2	On walls	m2	40	
Carried Forward to Summary of Section No. 3				R
Section No. 3				
Laundry Block A&B				
Bill No. 7				
Plastering				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 8</u>			
<u>TILING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
NOTE: PC Amount refer to the cost of material delivered to site excluding any discounts, grout, glue and VAT			
<u>FLOOR TILING</u>			
<u>600 x 600 Granito Grey Porcelain Floor Tile (Prime Cost sum of R 250/m²) , with 6mm joint with white grouting and laid on a thin bed cement based tile adhesive as approved</u>			
1	On floors and landings	m2	111
2	On narrow widths	m2	23
3	100mm high skirting	m	73
<u>SUNDRIES</u>			
<u>"Kirk Marketing"</u>			
4	"ASE 120.N " 12mm Aluminium Straight Edge trim" T1	m	73
Carried Forward to Summary of Section No. 3			R
Section No. 3 Laundry Block A&B Bill No. 8 Tiling			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BILL NO. 9</u>				
<u>PLUMBING AND DRAINAGE</u>				
<u>(PROVISIONAL)</u>				
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill				

<u>SANITARY FITTINGS</u>				
<u>"Franke" or similar approved</u>				
1	Wash Trough Triple	No	12	
<u>"Victory" or similar approved</u>				
2	Icon Red Chrome Plated Scorpio Pillar Tap 15mm SC07 Hot & Cold (Prime Cost Amount of R 500.00 Each) Including Concealed Part	No	48	
<u>TRAPS, ETC</u>				
<u>"Marley"</u>				
3	32 x 50mm Deep seal "P" or "S" trap	No	48	
<u>TAPS, VALVES, ETC</u>				
<u>"Cobra Watertech" or similar approved</u>				
4	Cobra fbbhn2c3-7ft01 Standard hose wall tap brass	No	48	
<u>ELECTRIC WATER HEATERS</u>				
Carried Forward				R
Section No. 3 Laundry Block A&B Bill No. 9 Plumbing and Drainage				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R	
<u>"Kwikot" or similar approved</u>			
5	200 Litre electric water heater wall mounted including standard with overflow pipe	No	6
<u>BUDGETARY ALLOWANCES</u>			
<u>The following budgetary allowances are for work to be executed by the main contractor: This work will be measured and valued at bill rates in accordance with clause 32 of the Principal Building Agreement or omitted if not required</u>			
6	Budgetary allowance of R100,000.00 (One Hundred Thousand Rand) for the remedy of water supply pipes and waste pipes that may be damaged to ensure full functionality of the buildings drainage system to the Principal Agent's satisfaction.	Item	
<u>TESTING</u>			
7	Testing water pipe system	Item	
Carried Forward to Summary of Section No. 3		R	
Section No. 3			
Laundry Block A&B			
Bill No. 9			
Plumbing and Drainage			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

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BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No	Quantity	Rate	Amount
<u>SECTION NO. 3</u>			
<u>BILL NO. 11</u>			
<u>PAINTWORK</u>			
<u>PAINTWORK ETC TO EXISTING WORK</u>			
Note: All paintwork to be "Dulux" or similar approved product			
<u>ON FLOATED PLASTER</u>			
<u>One coat alkali resistant primer, one undercoat and two coats interior quality PVA emulsion paint</u>			
1	On internal walls	m2	215
<u>One coat alkali resistant primer, one undercoat and two coats Grey Chic - 96YY 66/036</u>			
2	On external walls	m2	336
<u>One coat alkali resistant primer, one undercoat and two coats Evening Shadow - 30BB 21/056</u>			
3	On external walls	m2	20
<u>One coat alkali resistant primer, one undercoat and two coats Bumble Fun - 39YY52/91</u>			
4	On external walls	m2	62
<u>ON PLASTERBOARD</u>			
Carried Forward			R
Section No. 3 Laundry Block A&B Bill No. 11 Paintwork			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
5	On ceilings and cornices	m2	111
<u>ON METAL</u>			
<u>Sand down all the window frames. Window frames to be painted. Colour: DULUX BB 21/056-Evening Shadow.</u>			
6	On door frames	m2	4
7	On windows	m2	11
<u>ON WOOD</u>			
<u>Three coats polyurethane semi-gloss varnish</u>			
8	On doors	m2	8
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Laundry Block A&B			
Bill No. 11			
Paintwork			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Bill No	SECTION SUMMARY - Laundry Block A&B	Page No	Amount
1	Alterations	92	
2	Roof covering, etc	93	
3	Carpentry and Joinery	95	
4	Ceilings, Partitioning and Access flooring	96	
5	Ironmongery	98	
6	Metalwork	100	
7	Plastering	101	
8	Tiling	102	
9	Plumbing and Drainage	104	
10	Glazing	105	
11	Paintwork	107	
Carried to Final Summary			R
Section No. 3 Laundry Block A&B			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4 - KITCHEN HOSTEL</u>			
	<u>BILL NO. 1</u>			
	<u>ALTERATIONS</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<p>NOTE: Contractors are advised to study the Model Preambles for Trades and PW371</p> <p>-----</p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or alterations become necessary.</p> <p>The Contractor shall cover up and protect from injury all</p>			
	Carried Forward		R	
	Section No. 4 Kitchen Bill No. 1 Alterations			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R	
<p>work not removed and shall make good at his own expense any damage that may occur.</p> <p>Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p> <p>Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.</p> <p>Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.</p> <p>Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.</p> <p>Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.</p> <p>Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.</p> <p>Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both</p>			
Carried Forward		R	
Section No. 4 Kitchen Bill No. 1 Alterations			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

<p style="text-align: right;">Brought Forward</p> <p>sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p>OLD MATERIALS TO BE CARTED AWAY: Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p>OLD MATERIALS NOT TO BE RE-USED: None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR: Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p>HANDING OVER OF MATERIALS: Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p>The Contractor shall locate the relevant disposal area for asbestos</p> <p>Upon disposal, Contractor shall be expected to submit disposal certificate before payment is made as per Occupational Health and Safety Act (Act 85 of 1993) and the Asbestos Abatement Regulations, such as the 2020 regulations</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 4 Kitchen Bill No. 1 Alterations</p>		R	

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<hr/>			
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking down and removing roofs, etc</u>			
1	Careful removal of existing Asbestos roof covering and disposal thereof at areas formalized for asbestos disposal	m2	616
2	Carefully take out and remove existing ceiling and brandering to receive new ceiling	m2	467
3	Remove insulation	m2	616
<u>Breaking down and removing brickwork etc</u>			
4	230mm Brick Walls	m2	5
<u>Taking out and removing doors, windows, etc including thresholds, sills, etc including making good face brickwork on both sides</u>			
5	Timber single door 813 x 2032mm high	No	14
6	Timber double door 1610 x 2032mm high	No	1
<u>Hacking up/off and removing existing tiling and preparing surfaces for new tiling (measured elsewhere)</u>			
7	On floors	m2	290
<u>Taking out and removing damaged sundry joinery work, and prepare surface to receive new (Measured elsewhere)</u>			
8	Timber skirting from brickwork	m	178
Carried Forward			R
Section No. 4 Kitchen Bill No. 1 Alterations			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward			R
	<u>Taking out and removing glass and mirrors</u>			
9	Carefully remove cracked or broken glazing in panes exceeding 0,1m2 and not exceeding 1,0m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	10	
	<u>Taking out and removing existing ironmongery, replace with new (Measured elsewhere)</u>			
10	Franke Wash Trough Double	No	7	
11	Soap dispenser	No	2	
12	Toilet paper roll holder	No	2	
	<u>Taking out and removing taps, and prepare surface to receive new (Measured elsewhere)</u>			
13	Body bip taps 15mm	No	21	
	<u>Taking out and removing sanitary ware, and prepare surface to receive new (Measured elsewhere)</u>			
14	Wash hand basin	No	2	
15	Water closet	No	2	
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
	<u>Scrabble existing surface of fair faced wall and prepare internal surface to receive new brick dresser (new brick sealant elsewhere measured)</u>			
16	On external walls	m2	40	
	Carried Forward			R
Section No. 4 Kitchen Bill No. 1 Alterations				

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EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>Scraping and removing existing paint to walls and prepare surface to receive new paint (new paint measured elsewhere)</u>			
17	On internal walls	m2	692
18	On external walls	m2	254
<u>Scraping and removing existing paint to window and door frames and preparing surface to receive new paint finish (new paint finish measured elsewhere)</u>			
19	Door frames	m2	21
20	Metal doors	m2	22
21	Window frames with burglar bars	m2	8
<u>Scraping and removing existing metal doors and preparing surface to receive new paint finish (new paint finish measured elsewhere)</u>			
22	Roller shutter doors 4650 x 2670mm High	m2	45
<u>SERVICING EXISTING ITEMS</u>			
<u>Servicing existing windows</u>			
23	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	40
<u>Servicing existing gates</u>			
24	Carefully examine burglar bars, hinges, handles and stays to steel gates, fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	7
Carried Forward			R
Section No. 4 Kitchen Bill No. 1 Alterations			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward			R
	<u>Servicing existing metal doors</u>			
25	Carefully examine hinges, handles, and lockset to steel existing metal doors and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	7	
	<u>Servicing existing roller shutter doors</u>			
26	Carefully examine pulley system, hinges, handles, lockset to steel garage doors and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	2	
	<u>Servicing existing gas bottle cage</u>			
27	Carefully examine 600 x 1200mm High gas bottle cage, ensure that it's well rigid and secure, fully service the piping system set-up to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	1	
	<u>Servicing existing cold rooms</u>			
28	Carefully examine existing cold rooms, rectify all defects and facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	4	
	<u>CLEANING EXISTING SURFACES</u>			
	<u>Cleaning existing surfaces with SABS approved products</u>			
29	Wall tiles	m2	160	
	<u>Scrabble existing surface of fair faced wall and apply new brick sealer</u>			
30	On walls	m2	153	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4			
	Kitchen			
	Bill No. 1			
	Alterations			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 4</u>			
<u>BILL NO. 2</u>			
<u>ROOF COVERINGS ETC</u>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			

<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>0,6mm "IBR" Z200 spelter galvanised sheet steel with "Chromadek®" colour coated finish to one side and standard backing coat in single lengths fixed to mild steel channel/ timber purlins/ girts</u>			
1	Roof covering with pitch not exceeding 25 degrees, fixed on existing roof trusses	m2	616
2	Side cladding	m2	70
3	External sheeting to ceiling	m2	20
4	Wall flashing 462mm girth 2 (two) times bent and notched on site to suit roof profile	m	56
<u>ROOF AND WALL INSULATION</u>			
<u>"Alucushion" insulation</u>			
5	4mm Alulite® FR (Fire Retardant) - white polyethylene coated single sided aluminium foil insulation Code FTC 16/082 as supplied by Alulite®. Laid taut over purlins and fixed concurrent with roof covering; overlapped longitudinally by 100mm; on and including white PVC coated straining wire spaced at 383mm centres; all in strict accordance with the manufacturers specifications	m2	616
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Kitchen			
Bill No. 2			
Roof covering, etc			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>Doors</u>			
<u>Wrought meranti</u>			
1	Sapele Veneer MD 2CE size 813 x 2032mm	No	12
2	FLB back meranti double door size 1610 x 2032mm	No	1
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Kitchen			
Bill No. 3			
Carpentry and Joinery			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 4</u>			
<u>BILL NO. 4</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as "bolted" the bolts have been given elsewhere.			
<u>NAILED UP CEILINGS</u>			
<u>6mm "Everite Nutec" fibre-cement plasterboard with H-type pressed steel jointing strips</u>			
1	Ceilings including 50 x 75mm sawn softwood brander at 600mm centres	m2	309
2	Extra over ceiling for 700 x 700mm trap door of 38 x 38mm wrought softwood rebated framing with one 150 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush opening (Provisional)	No	2
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	149
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Kitchen			
Bill No. 4			
Ceilings, Partitioning and Access flooring			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 5</u>			
	<u>IRONMONGERY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	<u>All items necessary to be replaced should match existing or similar approved</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:			
	BS - Satin bronze lacquered			
	CH - Chromium plated			
	SC - Satin chromium plated			
	SE - Silver enamelled			
	GE - Grey enamelled			
	AS - Anodised silver			
	AB - Anodised bronze			
	AG - Anodised gold			
	ABL - Anodised black			
	PB - Polished brass			
	PL - Polished and lacquered			
	PT - Epoxy coated			
	SD - Sanded			

	<u>WRITING BOARDS, PINNING BOARD, ETC</u>			
	<u>"Parrot products"</u>			
1	"BDO476" 3000 X 1200mm Aluminium framed carpet bulletin board	No	2	
	<u>HINGES, BOLTS, ETC</u>			
	Carried Forward		R	
	Section No. 4			
	Kitchen			
	Bill No. 5			
	Ironmongery			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward			R
	<u>"Union" or similar approved</u>			
2	102 x 75 x 3mm Door hinge	No	32	
	<u>LOCKS</u>			
	<u>"QS Products" or similar approved</u>			
3	"QS575/1" Three ever cylinder latch lock and deadbolt	No	14	
	<u>HANDLES</u>			
	<u>"Dormakaba" or similar approved</u>			
4	Satin Chrome CB30 handle on 40 x 190mm round keyhole plate	No	16	
	<u>LETTERS, NAMEPLATES, ETC</u>			
5	60 x 3mm Thick perspex plate with two 40mm high engraved and painted numerals	No	4	
	<u>SUNDRIES</u>			
	<u>"Union" or similar approved</u>			
6	"AL8730AS" door stop plugged	No	16	
Carried Forward to Summary of Section No. 4				R
Section No. 4				
Kitchen				
Bill No. 5				
Ironmongery				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

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BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No	Quantity	Rate	Amount
<u>SECTION NO. 4</u>			
<u>BILL NO. 7</u>			
<u>TILING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
NOTE: PC Amount refer to the cost of material delivered to site excluding any discounts, grout, glue and VAT			
<u>FLOOR TILING</u>			
<u>600 x 600 Granito Grey Porcelain Floor Tile (Prime Cost sum of R 250/m²) , with 6mm joint with white grouting and laid on a thin bed cement based tile adhesive as approved</u>			
1	On floors and landings	m2	256
2	On narrow widths	m2	35
3	100mm high skirting	m	178
<u>SUNDRIES</u>			
<u>"Kirk Marketing"</u>			
4	"ASE 120.N " 12mm Aluminium Straight Edge trim" T1	m	178
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Kitchen			
Bill No. 7			
Tiling			

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

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BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R
<u>The following budgetary allowances are for work to be executed by the main contractor: This work will be measured and valued at bill rates in accordance with clause 32 of the Principal Building Agreement or omitted if not required</u>		
8	Budgetary allowance of R50,000.00 (Fifty Thousand Rand) for the remedy of waste pipes that may be damaged to ensure full functionality of the buildings drainage system to the Principal Agent's satisfaction.	Item
<u>TESTING</u>		
9	Testing water pipe system	Item
Carried Forward to Summary of Section No. 4		R
Section No. 4		
Kitchen		
Bill No. 8		
Plumbing and Drainage		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

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BILLS OF QUANTITIES

EHLANZENI TVET COLLEGE - MLUMATI CAMPUS

ETVETC/MLU/HS/2024/01

REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Item No			Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 10</u>				
	<u>PAINTWORK</u>				
	<u>PAINTWORK ETC TO EXISTING WORK</u>				
	Note: All paintwork to be "Dulux" or similar approved product				
	<u>ON FLOATED PLASTER</u>				
	<u>One coat alkali resistant primer, one undercoat and two coats interior quality PVA emulsion paint</u>				
1	On internal walls	m2	692		
	<u>One coat alkali resistant primer, one undercoat and two coats Grey Chic - 96YY 66/036</u>				
2	On external walls	m2	156		
	<u>One coat alkali resistant primer, one undercoat and two coats Evening Shadow - 30BB 21/056</u>				
3	On external walls	m2	55		
	<u>ON SMOOTH CONCRETE</u>				
	<u>One coat alkali resistant primer, one undercoat and two coats Bumble Fun - 39YY52/91</u>				
4	On external walls	m2	43		
	Carried Forward				
					R
	Section No. 4 Kitchen Bill No. 10 Paintwork				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

	Brought Forward			R
	<u>ON PLASTERBOARD</u>			
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
5	On ceilings and cornices	m2	467	
	<u>ON METAL</u>			
	<u>Sand down all the window frames. Window frames to be painted. Colour: DULUX BB 21/056-Evening Shadow.</u>			
6	On door frames	m2	43	
7	On metal doors	m2	45	
8	On steel gate	m2	10	
9	On windows with burglar bars	m2	8	
	<u>ON WOOD</u>			
	<u>Three coats polyurethane semi-gloss varnish</u>			
10	On doors	m2	46	
	<u>ON EXISTING FAIR FACED WALL</u>			
	<u>Brick sealent</u>			
11	On walls	m2	153	
Carried Forward to Summary of Section No. 4				R
Section No. 4				
Kitchen				
Bill No. 10				
Paintwork				

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

[illegible]

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

[illegible]

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R
<p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or alterations become necessary.</p> <p>The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.</p> <p>Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p>		
Carried Forward		R
<p>Section No. 5 External Works Bill No. 1 Clear view fencing</p>		

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward		R	
<p>Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.</p> <p>Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.</p> <p>Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.</p> <p>Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.</p> <p>Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.</p> <p>Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p>OLD MATERIALS TO BE CARTED AWAY: Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p>OLD MATERIALS NOT TO BE RE-USED: None of the old materials are to be used for new work</p>			
<p style="text-align: right;">Carried Forward</p> <p>Section No. 5 External Works Bill No. 1 Clear view fencing</p>		R	

BILLS OF QUANTITIES
EHLANZENI TVET COLLEGE - MLUMATI CAMPUS
ETVETC/MLU/HS/2024/01
REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward				R
except where specifically described as being set aside for re-use.				
<p>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR:</p> <p>Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p>HANDING OVER OF MATERIALS:</p> <p>Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p>-----</p> <p><u>SITE CLEARANCE</u></p>				
1	Removal of existing palisade fence	m	463	
2	Removal of existing vehicular and pedestrian gate, inclusive of posts and tracks	No	4	
3	Allow for clearing site for the width of 2m where fence runs are to be erected including removing trees, shrubs etc not exceeding 200mm girth, grubbing up roots and roughly levelling	m2	927	
Carried Forward				R
<p>Section No. 5</p> <p>External Works</p> <p>Bill No. 1</p> <p>Clear view fencing</p>				

Brought Forward	R
<u>NEW PERIMETER FENCE</u>	
<u>"CLASS A" HIGH SECURITY PERIMETER FENCING</u>	
<u>REFERENCES CODES AND STANDARDS</u>	
A. DEPARTMENT OF BASIC EDUCATION SCHOOL INFRASTRUCTURE SAFETY AND SECURITY GUIDELINES (First Version) 25 March 2017	
B. CSIR, SABS, North Atlantic Treaty Organization (NATO) and International Aviation Authority Organization (ICAO). CSIR Test: 050036, 050056, T09998 SABS Test: 2536/YM139 Nato Stock :5660-99-458-7414 ICAO ICAO Security Manual	
C. CORROSION PROTECTION AND RUST CONTROL	
1. Posts, mesh panels for the fence and gate material shall be hot-dip galvanised and then Fusionbond epoxy powder coated (or similar) for schools in coastal areas and only fusion-bond epoxy powder coated (or similar) for schools in inland areas where corrosion is not a problem;	
2. The anti-burrow mesh shall be hot-dip galvanised and then bitumen-dip coated.	
D. GUARANTEES / WARRANTIES	
1. Ten (10) year anti-corrosion guarantee on all the fence and gate materials;	
2. Three (3) year anti-vandalism guarantee on all the fence and gate materials (Materials that are guaranteed to be vandal-proof must not be capable of being vandalised successfully with ease using ordinary tools during the tenure of the guarantee).	
Carried Forward	R
Section No. 5 External Works Bill No. 1 Clear view fencing	

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Brought Forward			R
All Tenderers will be deemed to have familiarise themselves with the above mentioned Codes and Standards			
<u>High Tensile Steel Posts</u>			
Posts shall be embedded 600mm deep x 400 x 400 with 15 - 25 MPa concrete. Post shall include 'Locking Recess Mechanism' to secure panel edge. Posts shall be hot-dip galvanised then Fusion-bond epoxy powder coated. UV stabilised moisture proof end-caps deemed to be included			
4	2.7m long post	No	141
<u>High Tensile Welded Mesh Panels</u>			
Panel shall be stepped where the site is sloping to follow the ground profile; The panel aperture size (centre to centre) shall be 76.2mm horizontal x 12.7mm vertical and shall be formed of 4mm wire strands; The panel shall be reinforced with 50mm deep "V" formation horizontal recessed bands to enhance rigidity; Anti-scale clamps must be provided against the post where there is a "V" formation on the mesh panel; Mesh panels shall have a 1 x 90° flange along the top and 1 x 30° flange along the bottom edge (integrated rigid angle); All the mesh panels must be secured along the entire length of the posts with a locking mechanism and using anti-vandal bolts that cannot be tampered with or manoeuvred with ordinary tools; All the mesh panel fixtures shall be on the inside of the fence and not accessible from the outside; The mesh panel and all the mesh panel fixtures shall be hot-dip galvanised then Fusion-bond epoxy powder coated			
5	2.1m high panel	m	463
Carried Forward			R
Section No. 5 External Works Bill No. 1 Clear view fencing			

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	Brought Forward			R	
	<u>Over-climb Prevention</u>				
6	100mm high toughened steel Castle Spike or Spear Spikes affixed on top of mesh panels along full length of fence with anti-vandal bolts from the inside of the fence. Spikes shall be hot-dip galvanised then Fusion-bond epoxy powder coated.	m	463		
	<u>Gate Anti-burrow / Anti-dig</u>				
7	100mm thick 20MPa slab reinforced with minimum Mesh Ref 193 extending 1m on both sides of Driveway Entrance Gate and Pedestrian Gate inclusive of all excavations, cart away and risk of collapse	m	463		
	<u>FOUNDATIONS</u>				
8	Mass concrete (15 Mpa)	m3	6		
9	Excavation not exceeding 2m deep for posts and underdig	m3	4		
10	Extra over for excavations in Hard Rock	m3			Rate Only
11	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	18		
	<u>REINFORCED CONCRETE</u>				
	<u>25MPa/19mm concrete</u>				
12	Strip footings	m3	5		
	<u>TURNSTILES ETC</u>				
13	Turnstar - Titan 3 or similar approved Pedestrian Turnstiles with overall dimensions of 1430mm Wide x 2250mm high. Finished with Polyester exterior grade power coat, colour charcoal blue, colour to be approved by Architect prior to order all according to manufacturer specifications.	No	2		
	Carried Forward			R	
	Section No. 5 External Works Bill No. 1 Clear view fencing				

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Brought Forward				R
<u>SECURITY GATE ETC</u>				
14	Turnstar - Full height Security Gate or similar approved with overall dimensions of 970mm Wide x 2250mm high formed of 40 x 4mm flat square hollow section framing with one 40 x 4mm flat square hollow section intermediate rail spaced 1060mm in the centre of the gate and the top and bottom part both with nine 10 x 10mm square section vertical intermediate rails at 110mm centres; the gate filled with 100 x 130 x 30mm lock box of 2mm plate for and including approved mortice lock with chromium plate furniture and 153mm long "Quadrisection Profile B14" striking plate slot-holed for latch and bolt. Finished with Polyester exterior grade power coat, colour charcoal blue, colour to be approved by Architect prior to order all according to manufacturer specifications.	No	2	
<u>BIOMETRIC AND CARD ACCESS CONTROL</u>				
15	Provide the sum of Thirty Thousand for supply and installation of Biometric and card access control as well as the required posts executed complete by an approved sub-contractor		Item	30,000.00
16	Add for profit			%
17	Add for general attendance			%
	Design, Supply and Install Class A Gates made of Class A Fence materials with robust frame all around; Manufactured off site in controlled environment; Gap between hinges and supporting posts to be no more than 12.7mm Anti-lift brackets, sliding mechanisms, locking mechanism, over-climb prevention and latches to be provided for all gates; All gate materials shall be hot-dip galvanised then Fusion-bond epoxy powder coated			
Carried Forward				R
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Brought Forward				R
<u>Driveway Entrance Gate</u>				
18	Design, Supply and Install Driveway Entrance Gate 6m length x 2.4m height of Class A Perimeter Fence materials inclusive of new sliding track embedded in concrete and posts, sliding mechanism, anti-lift mechanism, locking mechanism, over-climb prevention and latches	No	2	
<u>Pedestrian Gate</u>				
19	Design, Supply and Install Pedestrian Gate 1m wide x 2.4m height of Class A Perimeter Fence materials inclusive of posts, hinges, anti-lift mechanism, locking mechanism, over-climb prevention and latches	No	2	
Carried Forward to Summary of Section No. 5				
Section No. 5 External Works Bill No. 1 Clear view fencing				R

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Item No		Quantity	Rate	Amount
	<u>SECTION NO. 5 - EXTERNAL WORKS</u>			
	<u>BILL NO. 2</u>			
	<u>EARTHWORKS (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Nature of ground</u>			
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>SITE CLEARANCE ETC</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	524	
	<u>Treatment of Terrace bed</u>			
2	Rip, scarify and compaction of in-situ material 150mm deep to a minimum of 90% Mod AASHTO at -2% and +1% of OMC	m2	524	
	<u>Extra over all excavations for carting away</u>			
3	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor including rubble removal	m3	52	
	<u>Keeping excavations free of water</u>			
4	Keeping excavations free of all water other than subterranean water	Item		
	Carried Forward		R	
	Section No. 5 External Works Bill No. 2 Paving			

BILLS OF QUANTITIES
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

Brought Forward			R
<u>PAVING</u>			
<u>IMPORTING OF MATERIALS</u>			
<u>Coarse river sand filling supplied by the contractor</u>			
5	Backfill top 20mm of walkways with river sand	m3	52
<u>CONCRETE BLOCK PAVING FOR ROADS</u>			
<u>80mm Thick "Corobrick" clay paving, laid with 3-5mm joints including sand brushed into joints (Colour : Cederberg or similar approved)</u>			
6	Paving laid in herringbone bond	m2	524
<u>"Technicrete" Pre-cast concrete kerbs including bedding, jointing and pointing</u>			
7	125 x 150 x 250mm Barrier Kerb (SABS fig.4) with 300 x 300 x 250mm unreinforced concrete haunching at back of each joint and between joints and set on and including any necessary additional excavation, backfilling, etc	m	524
Carried Forward to Summary of Section No. 5			R
Section No. 5			
External Works			
Bill No. 2			
Paving			

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Carried to Final Summary			R	
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BILLS OF QUANTITIES
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REFURBISHMENT TO HOSTEL BLOCKS AND KITCHEN

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BILLS OF QUANTITIES
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TOTAL OF BUILDERS WORK			R	
Allow 10% for contingencies to be used at the sole discretion of the principal agent			R	
Sub Total			R	
Vat @ 15%			R	
TOTAL CONTRACT VALUE			R	
Carried to Form of Tender			R	

EHLANZENI TVET COLLEGE

COVID-19 HEALTH AND SAFETY SPECIFICATIONS

FOR

**REFURBISHMENT OF HOSTEL BLOCKS, LAUNDRY ROOMS
AND KITCHEN FOR EHLANZENI TVET COLLEGE**

AT

MLUMATI CAMPUS

ANNEXURE A

COVID-19 Health and Safety Specifications

DOCUMENT TILE

HEALTH AND SAFETY SPECIFICATIONS

COVID-19

DECEMBER 2021

PROJECT NAME:	
CLIENT:	
PRINCIPAL AGENT:	
PRINCIPAL CONTRACTOR:	
CONSTRUCTION WORK PERMIT NUMBER	

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1. INTRODUCTION

2. LEGISLATION GOVERNING COVID-19

- Occupational Health and Safety Act No: 85 of 1993 read with Hazardous Biological Agents Regulations
- Occupational Health and Safety Measures in Workplace, gazette No 43257 Department of Employment and Labour Risk Adjusted Strategy for Economic Activity

3. COVID-19 WORKPLACE PREPAREDNESS

4. CONCLUSION

DEFINITIONS

“COVID-19” means Coronavirus Disease 2019;

“Disaster Management Act” means the Disaster Management Act, 2002 (Act No. 57 of 2002);

“OHS Act” means the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993);

“PPE” means personal protective equipment;

“Virus” means the SARS-CoV-2 virus;

“Worker” means any person who works in an employer’s workplace including an employee of the employer or contractor, a self-employed person or volunteer;

“Workplace” means any premises or place where a person performs work.

“COID Act” means the Compensation for Occupational Injuries and Diseases Act, No 130 of 1993

“Occupationally-acquired COVID-19” means a disease contracted by an employee as defined in the COID Act arising out and in the course of his or her employment.

1. Introduction

The implementation and monitoring of control measures related to the COVID-19 Virus in the workplace post the countrywide lock down. This document identifies the Health and Specifications that are required of the Principal Contractor (employees, sub-contractors and all service providers) engaged in activities associated with the project

2. Objectives

The objective of the COVID-19 return to Work Health and Safety Specification is to ensure that the Principal Contractor, is prepared to manage COVID-19 with the following priority of objectives:

- To protect the personnel on the project site under his/her control from the risk of infection
- The Health and Safety welfare of all personnel on site
- To ensure that all control and preventative measures of the Hazardous Biological Agent (SARS CoV 2 and COVID-19) are followed.

2.1 Aims

To continue to eliminate and prevent all employees from contracting the COVID-19 virus whilst carrying out their duties and tasks at work.

The OHS Act read in conjunction with the Hazardous Biological Agents Regulations requires the employer to provide and maintain as far as is reasonably practicable a working environment that is safe and without risks to the health of employees. All safe work procedures must be governed by the Act and the various Regulations.

3. Work Preparedness

3.1 Responsibility and Authority

The management team is responsible to the CEO in setting standards and associated objectives, targets in line as referenced by Section 16 of the OHS Act.

Managers, Supervisors and their Occupational Health Safety Representative(s) must monitor compliance for their respective departments and ensure achievement of the objectives in their respective departments in line with and referenced under Section 8 of the OHS Act.

3.2 Site Protocol

The Principal Contractor must ask all employees if any member of their staff is at risk of being sick or carrying illness.

The Principal Contractor must ask these questions:

- Have you, or anyone in your family, been in contact with a person that has tested positive for COVID-19?
 - Have you, or anyone in your family, been in contact with a person that is in the process of being tested for COVID-19?
 - Have you, or anyone in your immediate family, travelled outside of the RSA?
 - Are you having trouble in breathing, dry cough or flu-like symptoms?
- Per recommendations, if any answer is “yes”, the worker must be removed from the jobsite immediately and must not be allowed to return to the jobsite without a doctor’s letter verifying “OK to return to work” status.
 - Safety recommends that employees who appear to have acute respiratory illness symptoms (i.e. cough, shortness of breath) upon arrival to work or become sick during the day must be separated from other employees and be sent home immediately. The Principal Contractor must send any worker home if there are any observed symptoms of sickness.
 - The Principal Contractors are instructed to prevent stigma and discrimination in the workplace. Do not make determinations of risk based on race or country of origin.
 - Stop all non-essential visitors
 - Always introduce staggered start and finish times to reduce congestion and contact
 - Monitor site access points to enable social distancing – you may need to change the number of access points, either increase to reduce congestion or decrease to enable monitoring
 - Require all workers to wash or clean their hands before entering or leaving the site
 - Allow plenty of space (two metres) between people waiting to enter site
 - Regularly clean common contact surfaces of tools and Equipment, access control and deliveries.
 - Reduce the number of people in attendance at site inductions and consider holding them outdoors wherever possible
 - Drivers must remain in their vehicles if the load will allow it and must wash or clean their hands before unloading goods and materials.
 - No large group meetings: limit all meetings to six people or less. The Toolbox safety and DSTI schedule meetings, etc. are to be held with only Supervisor and with personal distance between individuals. (2 Meter)
 - All meetings – Toolbox safety, DSTI schedule, etc. to emphasize personal hygiene and the recommendations to prevent illness.
 - No visitors are permitted to enter Principal Contractor’s workplace, including jobsites, unless fundamental to the execution of the work.

3.3 COVID-19 Measures:

- Employees who are well but who have a sick family member at home and / or have been in close contact with a person with COVID-19 must stay home and notify their supervisor and refer to guidance for how to conduct a risk assessment of their potential exposure.
- If an employee is confirmed to have COVID-19, the Principal Contractor must inform fellow employees of their possible exposure to COVID-19 in the workplace while maintaining confidentiality. All staff must be sent home and the COVID -19 emergency numbers to be phoned. Employees exposed to a co-worker with confirmed COVID-19 must refer to guidance for how to conduct a risk assessment of their potential.
- The Principal Contractor must monitor and respond to absenteeism at the workplace. The Principal Contractor implement plans to continue essential business functions if they experience higher than usual absenteeism.
- The Principal Contractor must cross-train personnel to perform essential functions so that the workplace is able to operate if key staff members are absent.

3.4 Travel Protocol:

The Principal Contractor must advise employees before considering travel to take certain steps:

- Wherever possible workers must travel to site alone using their own transport and sites need to consider:
 - Parking arrangements for additional cars and bicycles
 - Other means of transport to avoid public transport e.g. cycling
 - Providing hand cleaning facilities at entrances and exits. This must be soap and water wherever possible or hand sanitizer if water is not available
- Employees who become sick while travelling or on temporary assignment must notify their supervisor and must promptly call a healthcare provider for advice.
- **The Principal Contractor must enforce a mandatory 14-day self-quarantine upon returning from travel outside South Africa and potentially domestic locations to be determined.**
- Inform supervisor prior to scheduling any travel.

3.5 Hand Washing:

The Principal Contractor must:

- Provide additional hand washing facilities to the usual welfare facilities if a large spread out site or significant numbers of personnel on site
- Ensure soap and fresh water is readily available and kept topped up at all times
- Provide hand sanitizer where hand washing facilities are unavailable
- Regularly clean the hand washing facilities and check soap and sanitizer levels
- Provide suitable and sufficient rubbish bins for hand towels with regular removal and disposal. Sites will need extra supplies of soap, hand sanitizer and paper towels and these must be securely stored.

3.6 Toilet Facilities

The Principal Contractor must:

- Restrict the number of people using toilet facilities at any one time e.g. use a welfare attendant
- Ensure that all employees wash hands before and after using the facilities.
- Enhance the cleaning regimes for toilet facilities particularly door handles, locks and the toilet flush.
- Avoid the use of portable toilets wherever possible, but where in use these must be cleaned and emptied more frequently.
- Provide suitable and sufficient rubbish bins for hand towels with regular removal and disposal.

3.7 Eating Arrangements

The Principal Contractor must ensure that:

- Dedicated eating areas is identified on site to reduce food waste and contamination
- Break times are staggered to reduce congestion and contact at all times
- Hand cleaning facilities or hand sanitizer are available where people eat and are used by workers when entering and leaving the area
- The workforce must be asked to bring pre-prepared meals and refillable drinking bottles from home
- Workers must seat 2 meters apart from each other whilst eating and avoid all contact
- Drinking water must be provided with enhanced cleaning measures of the tap mechanism introduced
- All rubbish must be put straight in the bin and not left for someone else to clear up
- All areas used for eating are thoroughly cleaned at the end of each break and shift.

3.8 Cleaning

The Principal Contractor must ensure that enhanced cleaning procedures are in place across the site, particularly in communal areas and at touch points including:

- Taps and washing facilities,
- Toilet flush and seats
- Door handles and push plate
- Machinery and equipment controls
- Telephone equipment (Cell Phones)

3.9 Training

The Principal Contractor must ensure that a training matrix is composed and completed for all management and staff, aimed specifically at the control and prevention of the COVID-19 Virus.

Subject matter must include but are not limited to:

- Symptoms
- Training
- Monitoring
- Social distancing

- PPE usage

The Principal Contractor must also ensure that all management and staff undertake the specific training prior to the re-commencement of work activities. Proof of training must be maintained by way of registers

3.10 Security

Security staff must be instructed not to allow entry to anyone who does not comply with all the requirements listed below – should a driver and / or helper be found to exceed the guidelines on body temperature, they too must be denied access individually.

Suppliers must ensure that they provide and issue the required PPE to all personnel:

- Drivers and helpers must wear masks
- Drivers and helpers must wear protective gloves
- Drivers and helpers to wear hair coverings
- Drivers and helpers are required to wash their hands thoroughly on entry to the premises
- Drivers and helpers must be screened for body temperature on entry at the gate.

All employees must be screened for body temperature on entering the site by security personnel.

All employees are required to wash their hands on entering the site – alternatively – spray your hands with a sanitizer.

3.11 PPE

While engineering and administrative controls are considered effective in minimizing exposure to COVID-19, PPE is the primary medium to prevent exposures. Remember that the virus is passed on through person-to-person contact.

No persons are allowed to enter the premises without the wearing of appropriate and published PPE requirements.

Examples of PPE include gloves, goggles, face shields, face masks, gowns, aprons, coats, overalls, hair and shoe covers and respiratory protection, when appropriate.

- Masks

Masks are compulsory for all employees; personnel and professional team members, reducing the potential of inhaled COVID-19 droplets. For general administration purposes, for essential staff on site only, cloth masks may be worn. N95 masks are only to be worn by first aiders or high-risk workers, due to the national shortage thereof.

All employees to have access to N95 or FFPT2 masks when required, only in instances of HIGH RISK OF EXPOSURE

All N95 and FFPT2 masks to be disposed with or after 1 day's use. Induction must also include training on the correct use of face masks.

Cloth face masks must be used on entering and leaving the site. It is advised that each worker is supplied with at least 3 cloth face masks. This would assist ensuring that the masks are hygienic (1 on the face; 1 in the wash and 1 as a backup).

The Principal Contractor must ensure that sufficient stock is at all-time available on site. This will also have depended on the type of mask being issued.

All disposable masks are biological waste and must be properly disposed of. This must be disposed in container (locked) or in bags to be either removed as medical biological waste by registered service provider.

CLEARLY IDENTIFIABLE BINS INDICATING BIOLOGICAL WASTE MUST BE PROVIDED

- **Face Shields**

The principal contractor could also look at options such as full face shields for preventing spreading of virus through eyes. This would assist the employee who is doing hard physical work to breathe more easily but still protecting the mouth, eyes and nose.

Face shields must be cleaned daily before the shift and at the end of the shift. Proper cleaning agents/disinfectant must be used. Face shields must be issued to employees and no sharing is allowed.

- **Overalls**

All employees must be issued with 3 overalls (1 overall wearing; 1 overall in the wash and one as the backup). This will ensure that the employee will be able to wear clean hygienic overalls. This must form part of the COVID-19 training for all employees.

- **Hand Gloves**

It is preferable that surgical gloves are not worn unless indicated and workers trained in the proper use thereof. Gloves must only be used when the activity demand the wearing of specific type of hand gloves. This must be directed by the Principal Contractor's risk assessment.

Site office personnel must be made aware of the risks in the office environment, this includes the handling of documents and plans. These employees must be issued with the appropriate hand gloves or sufficient hand wash / sanitizing facilities must be available in the site office.

3.12 Auditing

Auditing of this guidance as well as specific health and safety requirements under the OHS Act will be undertaken on a weekly basis.

- Non-Compliance by individuals will result in immediate suspension from work activities.
- Verbal and written warnings will be issued, and could result in permanent loss of employment

3.13 Communication

It is of utmost important that daily toolbox talks are conducted, in order to keep staff abreast of any issues, developments and changes implemented by Government, the Company and local communities.

Notices must be posted in prominent locations should any changes and recommendations be implemented coming out of any safety meetings

a. Access rules

The Principal Contractor must install additional signage with site rules specific to the prevention of spreading the COVID-19 virus at the access control points of the site.

b. Notices/Posters with protocols

Notices and posters must be placed and installed to raise awareness and regarding protocols to be followed on site. These notices and posters must be placed conspicuously at various points on the site including the following places:

- Entrance
- Site notice board
- Site Office
- Eating areas
- Next to toilets and bathrooms
- Hand washing stations
- Storerooms

Signage must be posted in and around the work areas as well as in ablutions and change rooms as per the samples below:



3.14 Risk Assessment

The Principal Contractor must ensure that they review and update risk assessments on a regular basis. The object of conducting or updating a risk assessment in respect of COVID-19 is to provide specific focus on COVID-19 specific working environments.

	Baseline Risk Assessment Prevention of Contacting Corona Virus – COVID 19	BRA 01
	Safety, Health and Environment	Version 1

Risk Evaluation Table					Persons at Risk	Risk Factors	
Likelihood of Harm Occurring		2 Remote	4 Possible	6 Probable			
Severity of Injury or Harm	6 Fatal / Major Injury	M	M	H	E – Employees C – Contractors O – Others i.e. Members of the Public / Clients employees	25 → 36	High Risk. Intolerable, eliminate, Safety Method Statements to reduce risk to a tolerable level.
	4 Reportable Injury	L	M	M		12 → 24	Medium Risk. Tolerable only with the full implementation of all of the control measures identified below
	2 First Aid or Minor Injury	L	L	M		1 → 11	Low Risk. Reduce risk further where cost and time allows. Maintain all basic disciplines and controls.
		Likelihood	Severity	Risk Factor	Notes/Comment on Evaluation		
Potential Health Risk		6	6	36	Extremely High Risk – could lead to death		
Potential Ergonomic Risk		2	2	4	Ensure sufficient spacing and avoid close contact between employees		
Environmental Risk		2	2	4	Waste Disposal of used tissues/masks/gloves		

3.15 Demographics of Labour

The Principal Contractor must compile a demographic record of all their staff.

- Age of staff / labour, a procedure to take cognizance of the worker / staff in high risk categories e.g. 60+ and those with underlying medical risks
- Health Status, a record of the persons health conditions specifically those that have been identified as causing complications when infected with COVID-19 Virus
- Socio economic status of the workforce, this may have an impact of the transmission of the COVID-19 virus either from site to the home environment or from home to the workplace.

3.16 Hand and Powered Tools

The Principal Contractor must provide for and ensure the sanitization of all tools on site.

- No sharing of tools, unless they are sanitized between users
- All tools returned to stores are to be sanitized before storage.
- All tools are to be sanitized before being placed in tool bags / boxes
- All tools issued are to be sanitized in front of the recipient prior to issuing.
- All sub-contractors' tools are to be sanitized when accessing / egressing site and prior to the tools being used / stored.

3.17 Plant

The Principal Contractor must provide for and ensure that all plant on site and all plant and transport accessing the site has been sanitized.

- No unauthorized passengers permitted on mobile plant.
- All touch surfaces to be cleaned frequently during the day with disinfectants.
- Before changing operators / drivers the cab must be cleaned with disinfectant solution.
- Records of operator / driver changes to be kept with register of sanitization.
- All touch surfaces to be sanitized at the end of shift

3.18 Procurement and Storage for COVID-19 PPE and General Supplies

- Availability of personal protective equipment PPE is an imperative and should be available at all times. Where this is not so, the work related to the activity will be stopped until adequate supplies are available.
- Storage of PPE is to be tightly controlled, with records of issue. Damaged PPE is to be managed in the usual way but all to be disposed of as if contaminated.

3.19 Waste Management for COVID-19 Waste

Waste management arrangements must be updated to include provision for the disposal of additional waste generated due to preventative measures implemented. All waste must be managed as hazardous waste.

- Disposal of any gloves, masks

The Principal Contractor must dispose of all used gloves and masks as hazardous waste and provide sealable bags and containers for the safe disposal of this waste.

- Paper towels

The Principal Contractor must provide adequate supplies of paper towels on site. At points where these towels are provided lined waste bins to be placed in order to collect all used towels and then to be disposed of in hazardous waste.

- Disinfectant solution

The Principal Contractor must provide adequate supplies of disinfectant on site where the use of water and soap for cleaning is not practical. If disinfectant dispensers are not refilled it must be disposed with other hazardous waste.

- Wastewater

Wastewater at washing points, toilets, and bathrooms must be contained in a drainage system that prevent surface spills. If wastewater is contained in waste buckets it must be sealed when removed and disinfected after it is cleaned.

3.20 Emergency Planning

An updated emergency plan must be completed that is in line with the current Regulations of the National Disaster Management Act.

- First aid Extra gloves, and disinfectants must be available, first aiders are to be issued with at least FFPT2 masks should they be required to respond
- Evacuation plans Evacuation plans must consider social distancing.
- Isolation of potentially infected workers

The emergency plan must consider how anyone who arrives on site and displays any of the symptoms, or has a raised temperature.

3.21 Social Distancing at work

The lockdown restrictions may be eased down but that does not mean that there is no need for social/physical distancing anymore.

You spend 8-9 hours at work and must maintain a proper distance from everyone during this time, whether they are symptomatic or asymptomatic. There are no exceptions to this rule.

Appropriate social distancing must be implemented and a 2 meters distance to be maintained. Where this is not possible due to the nature of the task additional PPE to prevent or reduce the risk of transmission must be issued and the use of the additional measures must be enforced.

These measures must include but not limited to:

- Training and education on how to reduce the transmission of COVID-19
- Provision of adequate supplies of PPE
- Monitoring and managing the use of PPE
- Training on the care and washing requirements
- Sanitizing and washing facilities for workers to provide in the immediate vicinity of where the task has been completed
- Facilities to be provided for the sanitization of PPE where PPE is used by multiple uses

3.22 Offices, Common areas and Facilities

The Principal Contractor must compile and implement a program for the systematic sanitization of all offices and common areas.

- Common areas must to be sanitized before and after use
- Offices must be sanitized daily.
- Shared offices where the required level of social distancing cannot be maintained, the occupancy numbers must be reduced and the remaining occupants must wear the prescribed PPE at all times.
- Door handles and other touch areas must be sanitized after each use.
- No sharing of office equipment e.g. computers
- No sharing of cell phones or other communication devices
- No preparation of meals permitted on site

3.23 Notice on Compensation for Occupationally-Acquired Novel Corona Virus Disease (COVID-19)

This notice deals with occupationally-acquired COVID-19 resulting from single or multiple exposures to confirmed cases(s) of COVID-19 in the workplace or after an official trip to high-risk countries or areas in a previously COVID-19 free individual.

The Principal Contractor can claim for occupationally-acquired COVID-19 shall be set out as contemplated in and provided for sections 65 and 66 of the COID Act.

The Office of the Compensation Commissioner shall consider and adjudicate upon the liability of all claims. The Medical Officers in the Compensation Commissioners' Office are responsible for medical assessment of the claim and for the confirmation of the acceptance or rejection of the claim.

The following documentation must be submitted to the Compensation Commissioner

- Employer Report of an Occupational Disease (W.CL.1)
- Notice of an Occupational Disease & Claim for Compensation (W.CL.14)
- Exposure and Medical Questionnaire
- First Medical Report in respect of an Occupational Disease (W.CL.22)
- Exposure history (W.CL.110) and/or any other employment history
- A medical report from Doctor and / or Specialist

4. Conclusion

4.1 General Protocol:

The Principal Contractor must actively encourage sick employees to stay home:

- a. If employees or subcontractor employees are exhibiting any of the following symptoms or behaviour associated with these symptoms, they must be asked to leave the jobsite and/or office and call (or go to) the doctor:
 - i. Fever
 - ii. Cough
 - iii. Shortness of breath
- b. Employees who have symptoms of acute respiratory illness are required to stay home and not come to work until they are free of fever (100.4° F [37.8° C] or greater using an oral thermometer), signs of a fever, and any other symptoms for at least 48 hours, without the use of fever-reducing or other symptom-altering medicines (e.g. Tylenol, cough suppressants). Employees must immediately notify their supervisor and stay home if they are sick.
- c. The Principal Contractor must communicate with their subcontractors and temporary staffing companies about the importance of sick employees staying home and/or going to the doctor.
- d. Per Safety recommendations, employees who appear to have acute respiratory illness symptoms (i.e. cough, shortness of breath) upon arrival to work or become sick during the day must be separated from other employees and be sent home immediately. Register must be in place for traceability of when and where employees may be in contact with employees, public or other Contractors.
- e. The Principal Contractor must communicate the following to its employees and subcontractors:

- i. Serious respiratory illnesses like influenza, respiratory syncytial virus (RSV), whooping cough, and severe acute respiratory syndrome (SARS) and COVID-19 are spread by:
 1. Coughing or sneezing
 2. Unclean hands: Touching your face after touching contaminated objects and touching objects after contaminating your hands
- ii. To help stop the spread of germs:
 1. Cover your mouth and nose with a tissue when you cough or sneeze.
 2. Put your used tissue in a waste basket.
 3. If you don't have a tissue, cough or sneeze into your upper sleeve, not your hands.
 4. Remember to wash your hands or sanitize after coughing or sneezing
 5. Avoid unnecessary contact with others
- iii. Use disposal paper tissue and no-touch disposal trash receptacles.
- iv. Clean hands often with an alcohol-based hand sanitizer that contains at least 70% alcohol, or wash hands with soap and water for at least 20 seconds. Soap and water should be used preferentially if hands are visibly dirty.
- v. Perform routine environmental cleaning:
 1. Routinely clean all frequently touched surfaces in the workplace, such as workstations, countertops, and doorknobs. Use the cleaning agents that are usually used in these areas and follow the directions on the label.
 2. Use disposable wipes so that commonly used surfaces (for example, doorknobs, keyboards, remote controls, desks) can be wiped down by employees before each use.



#coronavirus



a) Information on Coronavirus COVID-19

WhatsApp: Say "Hi" to 0600 123 456

For medical enquiries: National Institute for Communicable Diseases 0800 029 999

4.2 HEALTH AND SAFETY PROTOCOLS TO BE IN PLACE- BEFORE OPENING OF SITE

The Principal Contractor must:

1. Appoint a COVID-19 Compliance Officer
The appointed person must prepare a **COVID-19 Specific Health and Safety File** and monitor the implementation. The file must contain these minimum contents:
 - a. Emergency Contact numbers (Health and Safety Practitioner, NCID Hotline, Rob Ferreira Hospital) must be available in the file and displayed on site.
 - b. COVID-19 Policy
 - The policy must include the company's input and commitment towards psychosocial stressors (living with COVID-19, Stigma of persons who test positive and return to work exposure.
 - The policy must be reviewed and approved by the C.E.O
 - c. Biohazard Risk Assessment (must be prepared by a competent Risk assessor)
 - d. Procedures for medical screening
 - e. Medical Surveillance procedure and fitness for duty certificates
 - f. Induction training manual and communication registers
 - g. Awareness training and communication registers (e.g. COVID-19 Symptoms, Washing of hands, Hand sanitizer Use, etc.)
 - h. Procedures on how to deal with a suspected or confirmed case
 - i. COIDA Reporting procedure and forms
 - j. COVID-19 Incident Management
 - k. Visitors Contact Tracing Forms
 - l. Personal Protective Equipment Register (respiratory protection, face shields, etc.)
 - m. Facilities daily inspection checklists (hand washing soap, clean water, hand sanitizer
 - n. Copies of all regulations/government gazettes issued in terms of COVID-19
 - The above list is not exhaustive, the Principal Contractor can add the contents as and when the government issues updates

--END--