

## ORBIT TVET COLLEGE

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE  
STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE  
(ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

**Bid Number: R04/2020**

**Briefing/Site Inspection Meeting:**

Time: 11:00am on 22nd October 2020

**Venue:** ORBIT TVET COLLEGE, At the Parking Area Rustenburg

**Bid Closing Time/Date**

Time: 11:00am on 13th November 2020

**Venue:** ORBIT TVET COLLEGE, Corporate Centre, Security Gate (Office), C/O Fatima Bhayat and Bosch Street, RUSTENBURG, 0300

Name of Bidder: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

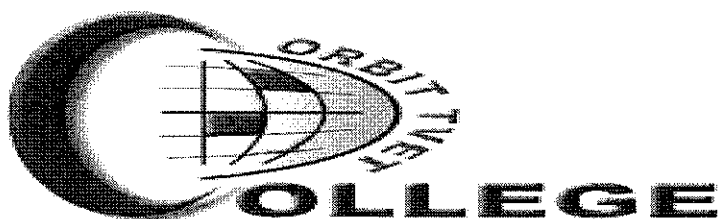
Email Address: \_\_\_\_\_

SARS Pin Number: \_\_\_\_\_ CSD Reg. Number: \_\_\_\_\_

Bid Price (15% VAT Incl.) \_\_\_\_\_

Bid Price in words \_\_\_\_\_

\_\_\_\_\_



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**Part T1.1 Tender Notice and Invitation to Tender**

The ORBIT TVET COLLEGE, Central Corporate Office invites tenders for the re-routing and upgrade of stormwater, sewer drainage and the upgrading of the Entrance gate at the Rustenburg TVET College campus, in Rustenburg, Fatima Bhayat Street.

It is estimated that tenderers should have a CIDB contractor grading designation of **3 CE or Higher**.

Only tenderers having a minimum B-BBEE status level 4 -1 are invited to tender (An original valid or certified copy of B-BBEE certificate must be submitted together with the tender document). Preference point scoring system will be based on the B-BBEE contributor level as determined from submitted verified B-BBEE certificate or letter from an accounting officer if the annual declared turnover amount of the firm is less than R5 million, have a specific CIDB Contractor Grading Designation, are SMME's or have a head office in the Gauteng Province.

The successful tenderer will be required in consultation with Client/PA/PM/Contractor to subcontract a minimum of 30% of the contract to exempted micro enterprises (EME's) and/or qualifying small business enterprises (QSE's) this to be as per the need and availability/lack of internal subbies and to be in accordance with the preferential Procurement Regulations, 2017 published on 20 January 2017

Only tenderers who can demonstrate that they will have in their employ staff which satisfy EPWP requirements during the contract validity are eligible to submit tenders, this clause will be determined by and agreed with the client if the requirements are met prior appointment or usage thereof.

The physical address for collection of tender documents is:

The ORBIT TVET COLLEGE  
Corporate Centre Security Gate (Office)  
C/O Fatima Bhayat and Bosch Street  
RUSTENBURG  
0300

Documents may be collected from Monday to Friday between 08:00 hrs and 15:00 hrs from ORBIT TVET COLLEGE, Corporate Centre, Security Gate (Office), C/O Fatima Bhayat and Bosch Street, RUSTENBURG

A non-refundable tender deposit of R 200,00 payable in cash to the ORBIT TVET COLLEGE, Corporate Centre, Security Gate (Office) at the ground floor, C/o Fatima Bhayat and Bosch Street Rustenburg between 08:30 hrs and 15:00 hrs, is required upon collection of the tender documents.

Administration related queries may be addressed to Ms Onica Shoko at oshoko@orbitcollege.co.za and Technical related issues may be directed to Mr Leonard Marumo at leonard@botsang.co.za

A compulsory clarification meeting with representatives of the Employer will take place as per the tender advertisement.

The closing time for receipt of tenders is as per the tender advertisement.

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

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.



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## **Part T1.2 Tender Data**

The conditions of tender are the Standard Conditions of Tender as contained in Annexure F of the CIDB Standard for Uniformity in Construction Procurement of July 2015 and as amended from time to time. (See [www.cidb.org.za](http://www.cidb.org.za)).

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender.

Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

**The additional conditions of tender are:**

- F.2.16.3** Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted.
- F.2.16.4** Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of F.2.13 with the packages clearly marked as "SUBSTITUTE".
- F.3.13.3** Accept the tender offer, if in the opinion of the employer, it does not present any unacceptable commercial risk and only if the tenderer:
  - a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement,
  - b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract,
  - c) has the legal capacity to enter into the contract,
  - d) is not insolvent, in receivership, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
  - e) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

Clause number	Tender Data
F.1.1	The employer is the ORBIT TVET COLLEGE, Corporate Centre, Security Gate (Office)
F.1.2	<p>The Tender Documents issued by the employer comprise the following documents:</p> <p><b>THE TENDER</b></p> <p><b>Part T1: Tendering procedures</b></p> <p>T1.1 - Tender notice and invitation to tender T1.2 - Tender data</p> <p><b>Part T2: Returnable documents</b></p> <p>T2.1 - List of returnable documents T2.2 - Returnable schedules</p> <p><b>THE CONTRACT</b></p> <p><b>Part C1: Agreements and Contract data</b></p> <p>C1.1 - Form of offer and acceptance C1.2 - Contract data C1.3 - Performance Bond</p> <p><b>Part C2: Pricing data</b></p> <p>C2.1 - Pricing Instructions C2.2 - Bill of Quantities</p> <p><b>Part C3: Scope of work</b></p> <p>C3 - Scope of Work</p> <p><b>Part C4: Site information</b></p> <p>C4 - Site Information</p>
F1.4	<p>The employer's Agent is :</p> <p>Name: LEONARD MARUMO Address: ..... Tel: 083 392 8423 Fax: ..... E-mail: <a href="mailto:leonard@botsang.co.za">leonard@botsang.co.za</a></p>
F.2	Only those tenderers who can demonstrate that they will have in their employ management and supervisory staff satisfying the requirements of the scope of work for labour-intensive competencies for supervisory and management staff during the validity of the contract are eligible to submit tenders.
F.2	The succesful tenderer will in consultation with the Client/PA/PM/Contractor sub contract should the need arise a minimum of 30% of the contract value to exempted micro enterprises (EME's) and/or qualifying small business enterprises (QSE's) which are at least 51% owned by black people, in accordance with the Preferential Procurement Regulations, 2017, published on 20 January 2017 in terms of section 5 of the Preferential Procurement Policy Framework Act, 2000 (Act No.5 of 2000)

F2.1	Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations, for a <b>3 CE or Higher</b> class of construction work to coincide with the proposed tender advertisement, are eligible to have their tenders evaluated.
	<p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> <li>1. every member of the joint venture is registered with the CIDB;</li> <li>2. the lead partner has a contractor grading designation in the <b>3 CE or Higher</b> class of construction work; and</li> <li>3. 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 <b>3 CE or Higher</b> class of construction work or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations.</li> </ol>
F.2.2	<p><b>Compensation of tendering</b></p> <p>Accept that the employer will not compensate the proposer for any costs incurred in the preparation and submission of a proposal offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.</p>
F.2.3	<p><b>Check documents</b></p> <p>Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.</p>
F.2.7	<p>There will be a compulsory clarification meeting</p> <p>The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender.</p> <p>Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list.</p>
F.2.12	No alternative tender offers will be considered
F.2.13.3	Parts of each tender offer communicated on paper shall be submitted as an original, and no copies.
F.2.13.5 F.2.15.1	The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:
	<p><b>Location of tender box:</b> Corporate Centre, Security Gate</p> <p><b>Physical address:</b> ORBIT TVET COLLEGE, C/O Fatima Bhayat &amp; Bosch Street, RUSTENBURG</p> <p><b>Identification details:</b> Tender reference number, Title of Tender and the closing date and time of the tender</p>
F.2.13.6 F.3.5	A two-envelope procedure will not be followed
F.2.15	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.
F.2.15	Telegraphic, telephonic, telex, facsimile or electronic tender offers will not be accepted.

F.2.16	The tender offer validity period is <b>90 days</b>						
F.2.18	The tenderer must submit to the Employer, names of all management and supervisory staff that will be employed to supervise the Labour-Intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirements.						
F.2.19	Access shall be provided for the following inspections, tests and analysis: Compaction tests, sonic pile testing and services commissioning						
F.2.20	The tenderer is required to submit with his tender a valid letter of intent from either an insurance company duly registered in terms of the Short-Term Insurance Act of 1998 (Act 35 of 1998) or by a bank duly registered in terms of the Banks Act of 1990 (Act 94 of 1990) undertaking to provide the Performance Bond without any alteration or amendment of the wording of the pro-forma indicated in Part T2.2 of this procurement document						
F.2.23	The tenderer is required to submit with his tender a valid Tax Clearance Certificate and Pin Code in the name of the tendering entity as issued by the South African Revenue Services						
F.3.4	Tenders will be opened immediately after the closing time for tenders at 11:00 hrs						
F.3.11	<p>The procedure for the evaluation of responsive tenders is <b>Method 2</b></p> <p><b><u>Method 2: Functionality, Price and Preference</u></b></p> <p>1) Score functionality, rejecting all tender offers that fail to score the minimum number of points for functionality stated in the Tender data.</p> <p>2) No tender must be regarded as an acceptable tender if it fails to achieve the minimum qualifying score of 70% for functionality.</p> <p>3) Tenders that have achieved the minimum qualification score for functionality must be evaluated further in terms of the preference points system prescribed in paragraphs 4 and 5 below.</p> <p><b>The apportionment for the evaluation will be:</b></p> <table border="1"> <tr> <td>(a)</td> <td>Financial offer</td> <td>80%</td> </tr> <tr> <td>(b)</td> <td>Preference</td> <td>20%</td> </tr> </table> <p>The score for financial offer is calculated using Formula 2 (Option 1) where the value of W1 is: 80 where the financial value inclusive of VAT of all responsive tenders received have a value in less than R50 000 000 or</p> $N_{FO} = W_1 \times A$ <p>Where <math>N_{FO}</math> = the number of tender evaluation points for financial offer</p> <p><math>W_1</math> = the maximum possible number of tender evaluation points awarded for financial offer as stated in the Tender Data</p> <p><math>A</math> = a number calculated using formula 2 (Option 1) as stated in the Tender Data</p>	(a)	Financial offer	80%	(b)	Preference	20%
(a)	Financial offer	80%					
(b)	Preference	20%					



The Formula and Option, as follows:

Formula 1: Highest price or discount

$$P_s = 80 \left( 1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where

$P_s$  = Points scored for comparative financial offer of the submission under consideration

$P_t$  = Comparative financial offer of the submission under consideration

$P_{min}$  = Comparative financial offer of lowest acceptable submission

The B-BBEE preference point scoring system will be based on the B-BBEE contributor level as determined from submitted verified B-BBEE certificate or letter from an accounting officer if the annual declared turnover amount of the firm is less than R5 million

Points must be awarded to a tender for attaining the B-BBEE status level of contributor in accordance with the table below:

B-BBEE status level of contributor	Number of points
1	10
2	9
3	6
4	5
5	4
6	3
7	2
8	1
Non-compliant contributor	0

Up to 100 minus W1 tender evaluation points will be awarded to tenderers who complete the preferencing schedule and who are found to be eligible for the preference claimed.

### **IMPORTANT DATES**

The anticipated timing of the project is as follows:

DESCRIPTION / ACTIVITY	DATE	TIME
Mandatory / Site Inspection Meeting		
Tender Close		
Contract awarded		
Project Completion		

<b><u>MANDATORY REQUIREMENTS</u></b>		<b><u>SUBMITTED</u></b>	
<b>NO.</b>	<b>DESCRIPTIONS</b>	<b>YES</b>	<b>NO</b>
1	Valid Original SARS Tax Clearance Certificate	<input type="checkbox"/>	<input type="checkbox"/>
2	Minimum Required CIDB Grading	<input type="checkbox"/>	<input type="checkbox"/>
3	Signed Attendance Register at Mandatory Tender Briefing/Site Inspection Meeting	<input type="checkbox"/>	<input type="checkbox"/>
4	Completed and Signed Compulsory Declaration of Interest (MBD4)	<input type="checkbox"/>	<input type="checkbox"/>
5	Authority of Lead partner to sign the documents for JV's (where applicable)	<input type="checkbox"/>	<input type="checkbox"/>
6	Completed and Signed Form of Offer and Acceptance	<input type="checkbox"/>	<input type="checkbox"/>
7	Signed Letter of Intent to enter into Joint Venture, Consortium or to Sub-contract (where applicable)	<input type="checkbox"/>	<input type="checkbox"/>
8	Complete Bill of Quantities filled in clearly legible and in permanent Int	<input type="checkbox"/>	<input type="checkbox"/>
9	B-BBEE Status Level Certificate or for exemption a Letter from Accountant confirming most recent turnover / police affidavit	<input type="checkbox"/>	<input type="checkbox"/>
10	Copy of COIDA Letter	<input type="checkbox"/>	<input type="checkbox"/>
11	Health and Safety Plan	<input type="checkbox"/>	<input type="checkbox"/>
12	Construction of Guarantee / letter of Intent	<input type="checkbox"/>	<input type="checkbox"/>
13	Original Company Document/s - CK Documents	<input type="checkbox"/>	<input type="checkbox"/>
14	Proposed methodology of executing the works	<input type="checkbox"/>	<input type="checkbox"/>
15	Attached the companies organogramme of all personnels that will be involved with the executing of the project	<input type="checkbox"/>	<input type="checkbox"/>
16	Attached the programme of the works	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>NB: IF ANY OF THE ABOVE-MENTIONED CONDITIONS IS NOT MET AND/OR ANY OF THE MENTIONED DOCUMENTS ARE NOT SUBMITTED AS PRESCRIBED, YOUR BID WILL IMMEDIATELY BE DISQUALIFIED</b></p>			

F.3.11.3	<p>The functionality criteria and maximum score in respect of each of the criteria are as follows:</p> <table border="1"> <thead> <tr> <th data-bbox="293 264 1233 331">Functionality</th><th data-bbox="1233 264 1433 331">Weighting Factor:</th></tr> </thead> <tbody> <tr> <td data-bbox="293 331 1233 972"> <p><b>1. COMPANY EXPERIENCE:</b></p> <p><b>Demonstrated experience of tendering entity with respect to both Building and both Building and Civil Works Construction Woks</b></p> <p>5 Appointment letters and 5 corresponding completion certificates on the client letter head of successfully completed similar projects in both Building and both Building and Civil Works Construction Works(Hospital, clinics and schools) = 5 points</p> <p>4 Appointment letters and 4 corresponding completion certificates on the client letter head of successfully completed similar projects in both Building and Civil Works Construction Works ( Hospital, clinics and schools) = 4 points</p> <p>3 Appointment letters and 3 corresponding completion certificates on the client letter head of successfully completed similar projects in both Building and Civil Works Construction Works (Hospital, clinics and schools) = 3 points</p> <p>2 Appointment letters and 2 corresponding completion certificates on the client letter head of successfully completed similar projects in both Building and Civil Works Construction Works (Hospital, clinics and schools) = 2 points</p> </td><td data-bbox="1233 331 1433 972" style="text-align: center; vertical-align: middle;"><b>30</b></td></tr> </tbody> </table>	Functionality	Weighting Factor:	<p><b>1. COMPANY EXPERIENCE:</b></p> <p><b>Demonstrated experience of tendering entity with respect to both Building and both Building and Civil Works Construction Woks</b></p> <p>5 Appointment letters and 5 corresponding completion certificates on the client letter head of successfully completed similar projects in both Building and both Building and Civil Works Construction Works(Hospital, clinics and schools) = 5 points</p> <p>4 Appointment letters and 4 corresponding completion certificates on the client letter head of successfully completed similar projects in both Building and Civil Works Construction Works ( Hospital, clinics and schools) = 4 points</p> <p>3 Appointment letters and 3 corresponding completion certificates on the client letter head of successfully completed similar projects in both Building and Civil Works Construction Works (Hospital, clinics and schools) = 3 points</p> <p>2 Appointment letters and 2 corresponding completion certificates on the client letter head of successfully completed similar projects in both Building and Civil Works Construction Works (Hospital, clinics and schools) = 2 points</p>	<b>30</b>
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	<p>1 Appointment letter and 1 corresponding completion certificate on the client letter head of successfully completed similar projects in both Building and Civil Works Construction Works (Hospital, clinics and schools) = 1 point</p> <p>No Appointment letters and corresponding completion certificates on the client letter head of successfully completed similar projects in both Building and Civil Works Construction Works (Hospital, clinics and schools) = 0 Points</p>				

	<p><b>2. KEY STAFF REGISTRATIONS, QULIFICATIONS AND EXPERIENCE</b></p> <p>Key staff (assigned personnel) in relation to the scope of infrastructure construction works. Attach CV's with contactable references, certified copies of qualifications and certified professional registration (PR). Or similar approved</p> <p><b>Key Staff refers to the following :</b></p> <ul style="list-style-type: none"> <li>• 1 Registered Construction Project Manager or Construction Manager - Certified Registration with the South African Council for the Project and Construction Management Profession (SACPCMP) or similar approved</li> <li>• 1 Registered Structural/Civil Engineer - Certified Registration with the Engineering Council for theSouth Africa (ECSA) or similar approved</li> <li>• 1 Health and Safety Officer/Health and Safety Manager/Health and Safety agent - Health and safety officer/ agent/ manager with Safety Management Certificate for Health &amp; Safety Managers/Officers/Agents.</li> <li>• Site Foreman - No proof of professional registration required for Site Foreman</li> </ul> <p><b>Attach CV of key site personnel with contactable references, proof of accredited built environment certified qualification and a certified professional registration (PR) for the below key staff.</b></p> <p>Professional Construction Project Manager or Construction Manager (15 points)</p> <ul style="list-style-type: none"> <li>• 9 years or more experience with built environment projects (15 points)</li> <li>• 7-8 years' experience with built environment projects ( 10 points)</li> <li>• 5-6 years' experience with built environment projects ( 7 points )</li> <li>• 3-4 years' experience with built environment projects ( 3 points)</li> <li>• 1-2 years' experience with built environment projects (1 point)</li> <li>• Less than 1 year experience with built environment projects (0 points)</li> </ul> <p>Professional Structural and Civil Engineering (15 points)</p> <ul style="list-style-type: none"> <li>• 9 years or more experience with built environment projects ( 15 points)</li> <li>• 7-8 years' experience with built environment projects ( 10 points)</li> <li>• 5-6 years' experience with built environment projects (7 points )</li> <li>• 3-4 years' experience with built environment projects ( 5 points)</li> <li>• 1-2 years' experience with built environment projects (1 point)</li> <li>• Less than 1 year experience with built environment projects (0 points)</li> </ul> <p>Health &amp; Safety Officer/Health &amp; Safety Manager/Health &amp; Safety Agent ( 5 points)</p> <ul style="list-style-type: none"> <li>• 9 years or more experience with built environment projects ( 5 points)</li> <li>• 7-8 years' experience with built environment projects ( 4points)</li> <li>• 5-6 years' experience with built environment projects ( 3 points )</li> <li>• 3-4 years' experience with built environment projects ( 2 points)</li> <li>• 1-2 years' experience with built environment projects (1 point)</li> <li>• Less than 1 year experience with built environment projects ( 0 points)</li> </ul>	<p style="text-align: center;"><b>40</b></p>
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	<p><b>Site Foreman (No Registration) (5 Points)</b></p> <p>With Qualifications in the built environment that meets the SAQA requirements - (NQF level 4 or higher Qualification in the built environment).</p> <ul style="list-style-type: none"> <li>• 9 years or more experience with built environment projects (5 points)</li> <li>• 7-8 years' experience with built environment projects (4points)</li> <li>• 5-6 years' experience with built environment projects (3 points )</li> <li>• 3-4 years' experience with built environment projects (2 points)</li> <li>• 1-2 years' experience with built environment projects (1 point)</li> <li>• Less than 1 year experience with built environment projects (0 points)</li> </ul> <p><b>Note:</b> The professional team must include a Professional Project Manager or Construction Manager, Professional Structural/Civil Engineer, Health &amp; Safety Manager and Site Foreman. The team will be deemed incomplete if not all the four key staff are not included. Therefore the bidder will forfeit points on key staff.</p>																
	<p><b>3. PROJECT PLAN</b></p> <table border="1"> <tr> <td data-bbox="293 792 831 958">Project plan with a clear critical path, realistic time frames , Key tasks, Sub tasks, Distribution of resources, clear completion date and cost projections with project duration of less than 4 Months or 16 Weeks.</td><td data-bbox="831 792 1059 958">All documents are submitted</td><td data-bbox="1059 792 1235 958"><b>5 Points</b></td></tr> <tr> <td data-bbox="293 958 831 1106">Project plan with a clear critical path, realistic time frames, Key tasks, Sub tasks, Distribution of resources, clear completion date with project duration of less than 4 Months or 16 Weeks.</td><td data-bbox="831 958 1059 1106">Non submission of Cost projections</td><td data-bbox="1059 958 1235 1106"><b>4 points</b></td></tr> <tr> <td data-bbox="293 1106 831 1272">Project plan with a clear critical path, realistic time frames, Key tasks, Distribution of resources, clear completion date with project duration of less than 4 Months or 16 Weeks.</td><td data-bbox="831 1106 1059 1272">Non submission of the following documents: •Cost projections •Sub tasks</td><td data-bbox="1059 1106 1235 1272"><b>3 points</b></td></tr> <tr> <td data-bbox="293 1272 831 1563">Project plan with a clear critical path, realistic time frames , Key tasks, with project duration of less than 4 Months or 16 Weeks.</td><td data-bbox="831 1272 1059 1563">Non submission of the following documents: •Cost projections • Sub tasks • Distribution of resources • Clear completion date</td><td data-bbox="1059 1272 1235 1563"><b>2 points</b></td></tr> <tr> <td data-bbox="293 1563 831 1886">Project plan with a clear critical path, realistic time frames , with project duration of less than 4 Months or 16 Weeks.</td><td data-bbox="831 1563 1059 1886">Non submission of the following documents: •Cost projections • Key tasks and Sub tasks •Distribution of resources •Clear completion date</td><td data-bbox="1059 1563 1235 1886"><b>1 point</b></td></tr> </table>	Project plan with a clear critical path, realistic time frames , Key tasks, Sub tasks, Distribution of resources, clear completion date and cost projections with project duration of less than 4 Months or 16 Weeks.	All documents are submitted	<b>5 Points</b>	Project plan with a clear critical path, realistic time frames, Key tasks, Sub tasks, Distribution of resources, clear completion date with project duration of less than 4 Months or 16 Weeks.	Non submission of Cost projections	<b>4 points</b>	Project plan with a clear critical path, realistic time frames, Key tasks, Distribution of resources, clear completion date with project duration of less than 4 Months or 16 Weeks.	Non submission of the following documents: •Cost projections •Sub tasks	<b>3 points</b>	Project plan with a clear critical path, realistic time frames , Key tasks, with project duration of less than 4 Months or 16 Weeks.	Non submission of the following documents: •Cost projections • Sub tasks • Distribution of resources • Clear completion date	<b>2 points</b>	Project plan with a clear critical path, realistic time frames , with project duration of less than 4 Months or 16 Weeks.	Non submission of the following documents: •Cost projections • Key tasks and Sub tasks •Distribution of resources •Clear completion date	<b>1 point</b>	<p style="text-align: center;">20</p>
Project plan with a clear critical path, realistic time frames , Key tasks, Sub tasks, Distribution of resources, clear completion date and cost projections with project duration of less than 4 Months or 16 Weeks.	All documents are submitted	<b>5 Points</b>															
Project plan with a clear critical path, realistic time frames, Key tasks, Sub tasks, Distribution of resources, clear completion date with project duration of less than 4 Months or 16 Weeks.	Non submission of Cost projections	<b>4 points</b>															
Project plan with a clear critical path, realistic time frames, Key tasks, Distribution of resources, clear completion date with project duration of less than 4 Months or 16 Weeks.	Non submission of the following documents: •Cost projections •Sub tasks	<b>3 points</b>															
Project plan with a clear critical path, realistic time frames , Key tasks, with project duration of less than 4 Months or 16 Weeks.	Non submission of the following documents: •Cost projections • Sub tasks • Distribution of resources • Clear completion date	<b>2 points</b>															
Project plan with a clear critical path, realistic time frames , with project duration of less than 4 Months or 16 Weeks.	Non submission of the following documents: •Cost projections • Key tasks and Sub tasks •Distribution of resources •Clear completion date	<b>1 point</b>															

	Project plan with a clear critical path, realistic time frames , Key tasks, Sub tasks, Distribution of resources, clear completion date and cost projections with project duration of over 4 months or 16 Weeks.	Project duration is 4 Months or 16 Weeks.	<b>0 points</b>	
	<b>4. BANK RATING</b> <b>Bidders to submit a bank rating from a reputable bank</b>  3.1) Rating A (5 points) 3.2) Rating B (4 points) 3.3) Rating C (3 points) 3.4) Rating D (2 points) 3.5) Rating E (1 point) 3.6) Rating F (0 points)  NB: Failure to submit proof of bank rating from the relevant bank will result in the bidder forfeiting the available points.			<b>10</b>
	<b>Total Functionality points</b>			<b>100 Points</b>
	<b>Total Minimum functionality threshold</b>			<b>70 Points</b>
	<b>POSSIBLE OBJECTIVE CRITERIA APPLICABLE TO THIS PROCUREMENT</b>			
	<b>Objective Criteria</b>	<b>Yes</b>	<b>No</b>	<b>Not Applicable</b>
	The College will conduct a thorough risk analysis of the tenderer that scored the highest points for price and B-BBEE points. If it is found during evaluation that such a supplier constitutes high risk despite adhering to functionality requirements such a bid may not be accepted by the Department. Reasons for such risk profile must be stated	Yes		
	If financial information (Bank Rating/Credit Worthiness) is presented to the College that the supplier will not be financially able or capable to execute the contract despite information submitted in the tender documents the College may not accept such a tenderer.	Yes		
	If the College through the evaluation process discover fraudulent activities such a tender will be disqualified.	Yes		
F.3.17	The number of paper copies of the signed contract to be provided by the employer is one			



**Bid Number: R04/2020**

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

## **Part T2.1 List of Returnable Documents**

### **1 Returnable forms / schedules required for tender evaluation purposes**

The tenderer must complete the following returnable forms / schedules:

- SBD 1 : INVITATION TO BID
- SBD 3.1 : PRICING SCHEDULE – FIRM PRICES (PURCHASES)
- SBD 4 : DECLARATION OF INTEREST
- SBD 6.1 : PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017
- SBD 6.2 : DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR
- SBD 8 : DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES
- SBD 9 : CERTIFICATE OF INDEPENDENT BID DETERMINATION
- Proof of valid CIDB grading level **3 CE or Higher** certificate
- Compulsory Enterprise Questionnaire
- Record of Addenda to Tender Documents
- Proposed Amendments and Qualifications
- Certificate of Authority for Joint Ventures
- Schedule of Proposed Subcontractors
- Schedule of exempted micro enterprises (EME's) and qualifying small business enterprises (QSE's)
- Schedule of recently completed and current contracts
- Schedule of plant and equipment
- Evaluation Schedule: Tenderer's Experience
- Evaluation Schedule: Experience of Key Staff
- Evaluation Schedule: Project Plan
- EPWP Projection Spreadsheet - TBA
- Certificate of attendance at clarification meeting
- Form of Intent to Provide a Performance Bond
- Proof of attending a compulsory site briefing session
- Detailed signed sub-contracting agreement/proposal specifying a minimum of 30% of the contract value and scope of work to be subcontracted

## **2 Other documents required for tender evaluation purposes**

The tenderer must affix the following returnable documents to Part T2.1:

- Tax Clearance Certificate for Tenders
- B-BBEE Certification or affidavit if B-BBEE points are claimed
- A consolidated B-BBEE level of contribution certificate in case of Joint Ventures
- B-BBEE Level of contribution certificates or affidavit for intended subcontractors
- CSD registration report
- Company Registration documents (CIPC) with certified ID copies of Members / directors / shareholders of the company.
- CV's of Key Staff
- Proof of Professional Registration of Key Staff
- Project Plan
- Proof of Registration relating to LIC NQF Qualifications
- Joint Venture Agreement
- Subcontracting is a requirement, provide subcontract agreements between tenderer and subcontractors

## **3 Returnable forms / schedules that will be used for tender evaluation purposes and be incorporated**

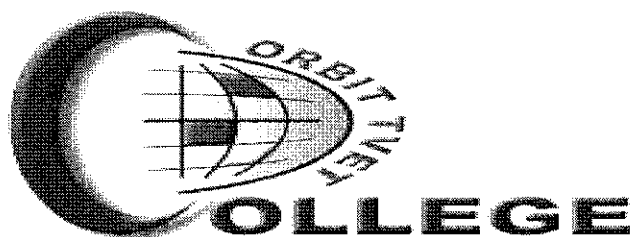
The tenderer must complete the following returnable forms / schedules:

- Particulars of Specialist Contractors
- Schedule for Imported Materials and Equipment
- Part C1.1: Form of Offer and Acceptance
- Part C1.2: Contract Data (Part two)
- Part C2.2 Bills of Quantities / Bills of Provisional Quantities

## **4 Other documents that will be incorporated into the contract**

- Letter of good standing from Compensation Commission
- Joint Venture Agreement if JV Submission





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**Compulsory Enterprise Questionnaire**

The following particulars must be furnished. In the case of a joint venture, **separate** enterprise questionnaires in respect of each partner must be completed and submitted.

**Section 1: Name of enterprise:** .....

**Section 2: VAT registration number, if any:** .....

**Section 3: CIDB registration number, if any:** .....

**Section 4: Particulars of sole proprietors and partners in partnerships**

Name*	Identity number*	Personal income tax number*

\* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

**Section 5: Particulars of companies and close corporations**

Company registration number .....

Close corporation number .....

Tax reference number .....

**Section 6: Record in the service of the state**

Indicate by marking the relevant boxes with a cross, if any sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months in the service of any of the following:

- |                                                                                                |                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> a member of any municipal council                                     | <input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature                                | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity                                                                                                            |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> an employee of Parliament or a provincial legislature                                                                                                                                      |
| <input type="checkbox"/> a member of the board of directors of any municipal entity            |                                                                                                                                                                                                                     |
| <input type="checkbox"/> an official of any municipality or municipal entity                   |                                                                                                                                                                                                                     |

If any of the above boxes are marked, disclose the following:

Name of sole proprietor, partner, director, manager, principal shareholder or stakeholder	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

\*insert separate page if necessary

#### Section 7: Record of spouses, children and parents in the service of the state

Indicate by marking the relevant boxes with a cross, if any spouse, child or parent of a sole proprietor, partner in a partnership or director, manager, principal shareholder or stakeholder in a company or close corporation is currently or has been within the last 12 months been in the service of any of the following:

- |                                                                                                |                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> a member of any municipal council                                     | <input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature                                | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity                                                                                                            |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> an employee of Parliament or a provincial legislature                                                                                                                                      |
| <input type="checkbox"/> a member of the board of directors of any municipal entity            |                                                                                                                                                                                                                     |
| <input type="checkbox"/> an official of any municipality or municipal entity                   |                                                                                                                                                                                                                     |

Name of spouse, child or parent	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

\*insert separate page if necessary

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:

- i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;

- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- v) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Enterprise name \_\_\_\_\_



**Bid Number: R04/2020**

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

**Record of Addenda to tender documents**

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1		
2		
3		
4		
5		
6		
7		
8		

Attach additional pages if more space is required.

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Enterprise name \_\_\_\_\_



**Bid Number: R04/2020**

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

**Proposed amendments and qualifications**

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

The Tenderer's attention is drawn to clause F.3.8.2 of the Standard Conditions of Tender referenced in the Tender Data regarding the employer's handling of material deviations and qualifications.

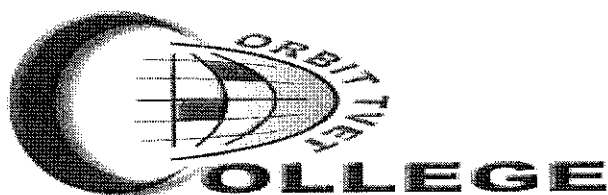
Page	Clause or item	Proposal

Attach additional pages if more space is required

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Enterprise name \_\_\_\_\_



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**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

**Certificate of Authority for Joint Ventures**

This Returnable Schedule is to be completed by joint ventures.

<p>We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr/Mrs .....          ....., authorised signatory of the company .....          ....., acting in the capacity of lead partner,          to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.</p>		
NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner   CIDB registration number: .....		Signature .....  Name .....  Designation .....
CIDB registration number: .....		Signature .....  Name .....  Designation .....
CIDB registration number: .....		Signature .....  Name .....  Designation .....
CIDB registration number: .....		Signature .....  Name .....  Designation .....



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**Schedule of Proposed Subcontractors**

We notify you that it is our intention to employ the following Subcontractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed Subcontractors in accordance with requirements in the contract for such appointments.

<b>Name and address of proposed Subcontractor</b>	<b>Description of Work to be executed by the Subcontractor</b>	<b>Previous experience with the Subcontractor</b>

Attach additional pages if more space is required

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Enterprise name \_\_\_\_\_



**Bid Number: R04/2020**

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**Schedule of Exempted Micro Enterprises (EME's) and qualifying small business enterprises (QSE's)**

We notify you that it is our intention to employ the following QSE/EME Subcontractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed QSE/EME Subcontractors in accordance with requirements in the contract for such appointments.

No.	Name of Subcontractor	Indicate Type of Enterprise (QSE or EME)	Indicate Category of Enterprise QSE or EME* (See note below)	Description of work to be carried out	Value of work to be carried out (Inclusive of VAT)
Total Value of QSE/SME including VAT					R
Total Value of Contract including VAT					R
Total percentage of work over the value of contract being subcontracted to QSE/SME					%

Attach additional pages if more space is required

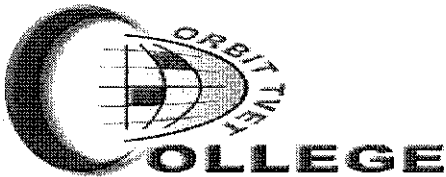
**\*Note: Categories of QSE/QME: (1) EME/QME; (2) 51% owned by black people; (3) 51% owned by black people who are youth; (4) 51% owned by black people who are women; (5) 51% owned by black people with disabilities; (6) 51% owned by black people living in rural or underdeveloped areas or townships; (7) a cooperative which is at least 51% owned by black people ; (8) more than one of the categories referred above.**

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Enterprise name \_\_\_\_\_





Option B: March 2016

Bid Number: R04/2020

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

**Schedule of recently completed and current contracts**

List not more than seven contracts completed in the last ten years

Contract title:	Employer (name) Place (town)	Reference person		Contract Amount (R million)	Contract Period (months)	Date of Completion*
		Name	Tel			
1						
2						
3						
4						
5						
6						
7						

\*Completed means that a certificate has been issued in terms of a contract by the employer, signifying that the whole of the construction works have reached a state of readiness for occupation or use for the purposes intended, although some minor work may be outstanding.

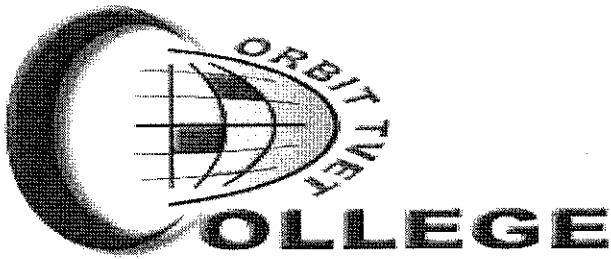
List all current contracts not complete at the time

Option B: March 2016

Project	Employer (name) Place (town)	Reference person		Contract Amount (R million)	Contract Period (months)	Date of Commencement	Date of Completion*
		Name	Tel				
1							
2							
3							
4							
5							
6							
7							
9							
10							

\*Date when defects liability period commenced (period after completion)

Signed \_\_\_\_\_ Date \_\_\_\_\_  
 Name \_\_\_\_\_ Position \_\_\_\_\_  
 Enterprise name \_\_\_\_\_



**Bid Number: R04/2020**

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE  
STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE  
(ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

**Schedule of Plant and Equipment**

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract or will acquire or hire for this contract if my / our tender is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

Quantity (owned or leased)	Description, size, capacity, etc

Attach additional pages if more space is required

(b) Details of major equipment that will be hired or acquired for this contract if my/our tender is acceptable

Quantity (hired)	Description, size, capacity, etc

Attach additional pages if more space is required

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Enterprise name \_\_\_\_\_



**Bid Number: R04/2020**

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**Evaluation Schedule: Project Plan**

Tenderers should submit a Project Plan comprising of a program (with clear & realistic timeframes, key tasks, and subtasks), organogram (staff allocated to project), resource allocation (equipment and plantlist), realistic cashflow (projected expenditure) and confirmation of bank account

<b>PROJECT PLAN</b>			
Project plan with a clear critical path, realistic time frames , Key tasks, Sub tasks, Distribution of resources, clear completion date and cost projections with project duration of less than 4 Months or 16 Weeks.	All documents are submitted	<b>5 Points</b>	<b>20</b>
Project plan with a clear critical path, realistic time frames, Key tasks, Sub tasks, Distribution of resources, clear completion date with project duration of less than 4 Months or 16 Weeks.	Non submission of Cost projections	<b>4 Points</b>	
Project plan with a clear critical path, realistic time frames, Key tasks, Distribution of resources, clear completion date with project duration of less than 4 Months or 16 Weeks.	Non submission of the following documents: •Cost projections •Sub tasks	<b>3 Points</b>	
Project plan with a clear critical path, realistic time frames , Key tasks, with project duration of less than 4 Months or 16 Weeks.	Non submission of the following documents: •Cost projections •Sub tasks •Distribution of resources •Clear completion date	<b>2 Points</b>	
Project plan with a clear critical path, realistic time frames , with project duration of less than 4 Months or 16 Weeks.	Non submission of the following documents: •Cost projections •Key tasks and Sub tasks •Distribution of resources •Clear completion date	<b>1 Point</b>	
Project plan with a clear critical path, realistic time frames , Key tasks, Sub tasks, Distribution of resources, clear completion date and cost projections with project duration of over 4 Months or 16 Weeks	Project duration is over 4 Months or 16 Weeks	<b>0 Points</b>	

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Signed \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Position \_\_\_\_\_

Enterprise name \_\_\_\_\_



**Bid Number: R04/2020**

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

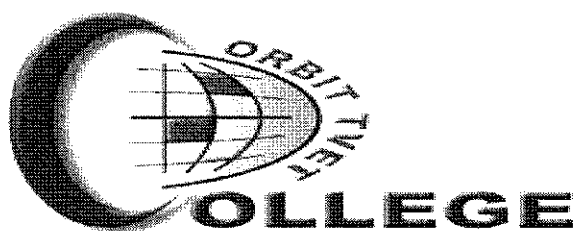
**Evaluation Schedule: Bank Rating**

<b>Bidders to submit a bank rating from a reputable bank</b>  3.1) Rating A (5 points) 3.2) Rating B (4 points) 3.3) Rating C (3 points) 3.4) Rating D (2 points) 3.5) Rating E (1 point) 3.6) Rating F (0 points)	<b>10</b>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------

NB: Failure to submit proof of bank rating from the relevant bank will result in the bidder forfeiting the available points.

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Signed \_\_\_\_\_ Date \_\_\_\_\_  
 Name \_\_\_\_\_ Position \_\_\_\_\_  
 Enterprise name \_\_\_\_\_

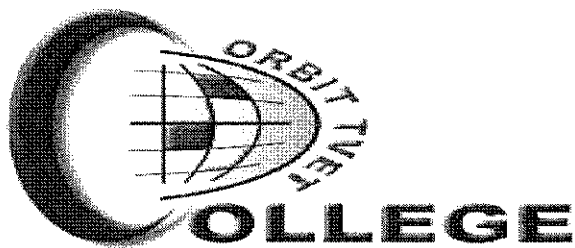


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**Ownership Particulars**

<b>Legal Status of Tendering Entity: If the Tendering Entity is:</b>	<b>Documentation to be submitted with the tender, or which may be required during the bid evaluation:</b>
A Close Corporation, incorporated under the Close Corporation Act, 1984, Act 69 of 1984	Certified copies of the Founding Statement – CK1
A <u>private</u> Company having share capital, incorporated under the Companies Act, 1973, Act 61 of 1973  [including Companies incorporated under Art 53(b)]	Certified copies of: i.) Certificate of Incorporation – CM1, and ii.) Shareholders Certificates of all Members of the Company, plus a signed statement of the Company's Auditor, certifying each Member's ownership /shareholding percentage relative to the total.
A <u>private</u> Company having share capital, incorporated under the Companies Act, 1973, Act 61 of 1973, in which any, or all, shares are held by another Close Corporation or Company with, or without, share capital	Certified copies of documents referred to in a. and/or b. above in respect of all such Close Corporation(s) and/or Company (ies).
A public Company having share capital, incorporated under the Companies Act, 1973, Act 61 of 1973  [including Companies incorporated under Art 21]	A signed statement of the Company's Secretary confirming that the Company is a public Company.
A natural person or a Partnership	Certified copy of the Identity Document of: i.) such natural person, or ii.) each of the Partners to the Partnership



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(ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

**Certificate of attendance at clarification meeting**

This is to certify that

..... (Enterprise name)

of

..... (address)

was represented by the person(s) named below at the compulsory meeting held for all tenderers at

Rustenburg TVET College Campus

On ..... (date), starting at ..... hrs

I have made myself familiar with all site conditions likely to influence the work and all aspects that could influence either the cost or the construction of the service.

I further certify that I am satisfied with the description of the work and explanations given at the meeting and that I understand perfectly the work to be done, as specified and implied, in the execution of this contract.

Particulars of person(s) attending the meeting

Name ..... Signature .....

Capacity .....

Name ..... Signature .....

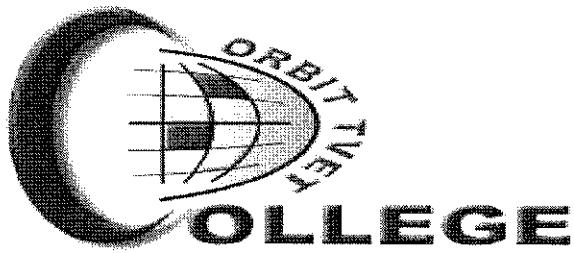
Capacity .....

Attendance of the above person(s) at the meeting is confirmed by the Project Manager, namely

Name ..... Signature .....

Capacity ..... Date & Time .....





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**Tax Clearance Certificate for Tenders**

The tenderer is to affix to this page:

An Original Valid Tax Clearance Certificate for Tenders issued by the South African Revenue  
Services (S.A.R.S.) in the Name of the Tendering Entity indicating the Trading Name.

**Note:**

Failure to affix such certificate may result in this tender not being further considered for  
the award of the contract.



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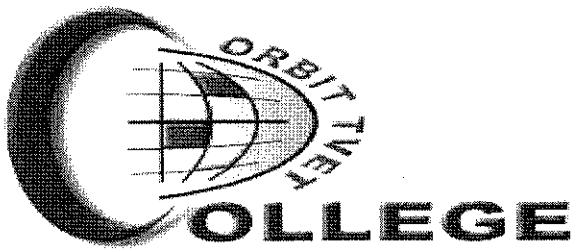
**Proof of Registration with the CIDB**

The tenderer is to affix to this page:

An Original Certificate as proof of his registration with the CIDB in a contractor grading designation of **3 CE or Higher**.

**Notes:**

1. Failure to affix such certificate may result in this tender not being further considered for the award of the contract.
2. The College will verify the certificate on the CIDB's website.



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**Form of Intent to Provide a Performance Bond**

**Note:** The **insurer** to be either an insurance company duly registered in terms of the Short-Term Insurance Act of 1998 (Act 35 of 1998) or a bank duly registered in terms of the Banks Act of 1990 (Act 94 of 1990).

1 With reference to the tender of .....  
(hereinafter referred to as the "**TENDERER**" for the project **REHABILITATION AND UPGRADING OF STORMWATER**

**SEWER DRAINAGE SYSTEM & UPGRADING OF  
ENTRANCE/EXIT GATE AT RUSTENBURG COLLEGE** (hereinafter referred to as the "**CONTRACT**"

for the ORBIT TVET COLLEGE Corporate Centre, Security Gate on behalf of the  
Rustenburg TVET College Campus, (hereinafter referred to as the "**EMPLOYER**" for the tender dated  
..... for the offered total of prices of (R ..... )  
..... (in words)

2 I/We ..... in my/our capacity as  
..... and hereby representing  
.....  
(hereinafter referred to as the "**INSURER**" advise that the "**INSURER**" undertakes to provide a **Per-  
formance Bond** to the **EMPLOYER** to the Employer's format included in Part C1.3 of this document  
within five (5) working days of the written acceptance by the employer of the contractor's tender offer.

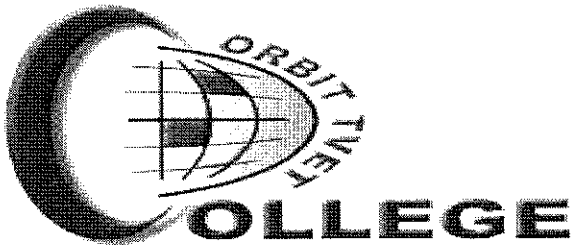
Thus done and signed at ..... on .....

.....  
*Name of signatory*

.....  
*Capacity of authorised signatory*

.....  
*As witness*

.....  
*for and on behalf of the insurer who  
by signature hereof warrants  
authorisation hereto*



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**Preferencing Schedule**

**1 Definitions**

The following definitions shall apply to this schedule:

**Disabled:** in respect of a person, a permanent impairment of a physical, intellectual, or sensory function, which results in restricted, or lack of, ability to perform an activity in the manner, or within the range, considered normal for a human being.

**Equity ownership:** The percentage of an enterprise or business owned by individuals or, in respect of a company, the percentage of the company's shares that are owned by individuals, who are actively involved in the management of an enterprise or business and exercise control over the enterprise, commensurate with their degree of ownership at the closing date of the tender.

**Note:** All claims for HDI equity ownership by an HDI will be considered according to the following criteria:

- equity within private companies will be based on the percentage of equity ownership;
- preference points will not be awarded to public companies and tertiary institutions;
- equity claims for a trust will only be allowed in respect of those persons who are both trustees and beneficiaries and who are actively involved in the management of the Trust (i.e. the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person);
- a joint venture may, based on the percentage of the contract value managed or executed by their HDI members, be entitled to equity ownership

**Historically disadvantaged individual (HDI):** A South African citizen

- a) who, due to the apartheid policy that had been in place, had no franchise in national elections prior to the introduction of the Constitution of the RSA, 1983 (Act 110 of 1983) or the Constitution of the RSA, 1993 (Act 200 of 1993) (the interim Constitution), or
  - b) who is a female; or
  - c) who has a disability:
- provided that a person who obtained South African citizenship on or after the coming to effect of the Interim Constitution, is deemed not to be an HDI;

**joint venture:** a grouping of two or more contractors who jointly and severally undertake to perform a construction works contract

**managed:** the possession and exercise of legal authority and power to manage the assets, goodwill and daily operations of a business and the active and continuous exercise of appropriate managerial and financial authority and power in determining the policies and directing the operations of the business.

**owner:** A person who has all the customary incidents of ownership, including the right of disposition, and sharing in all the risks and profits commensurate with the degree of ownership interest as demonstrated by an examination of the substance, rather than the form of ownership arrangements.

**registered contractor:** a contractor registered with the Construction Industry Development Board in a contractor grading designation appropriate to the works.

## 2 Conditions associated with the granting of preferences

The tenderer who claims a preference, undertakes to:

- 1) not subcontract more than 40% of the contract value, unless such contracting is undertaken in terms of a preference claimed relating the subcontracting of works to contractors registered in specific CIDB contractor designations.
- 2) maintain a HDI equity ownership of not less than that upon which the preference is based for the duration of the Contract, or in the case of a joint venture, ensure that the percentage of the contract value managed or executed by HDI's is not less than that upon which the preference is based;
- 3) accept the sanctions set out in Section 3 below should conditions 1 or 2 be breached;
- 4) complete sections 4 to 6 below as relevant;
- 5) enter into written subcontract agreements in accordance with the provisions of the Construction Industry Development Board's Best Practice Guideline D1: Subcontracting Arrangements; and
- 6) complete the Declaration with regard to Equity Ownership contained in section 5 below.
- 7) provide proof of registration for regional levies if a preference is claimed for being registered in the Gauteng Province.

## 3 Sanctions relating to breaches of preferencing conditions

The sanctions for breaching the preferencing conditions are:

- 1) termination of the Contract; or
- 2) a financial penalty payable to the Employer equal to 1,25 times the number of tender evaluation points awarded in respect of the preference claimed, multiplied by the Contract Price exclusive of VAT, divided by 100.

## 4 Tender preference claim in respect of HDI enterprise status or structure of the tendering entity

Number of preference points =  $\text{NOP} \times \text{EP} / 100$

NOP = maximum tender evaluation points provided for HDI equity ownership

EP = the percentage of equity ownership by an HDI within the business enterprise or, in the case of a joint venture, the percentage of the contract value managed or executed by their HDI members.

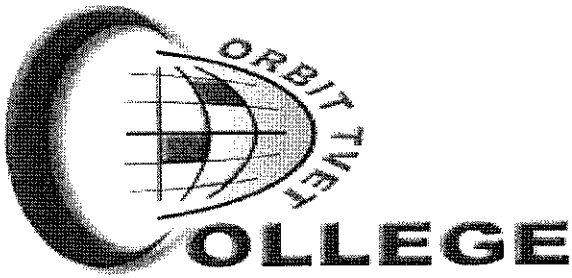
I/we apply on behalf of my/our firm for a preference based on:

### Non-joint ventures

HDI equity ownership percentage of .....%

### Joint Ventures

the percentage of the contract value managed or executed by their HDI members of .....%



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**Particulars of Specialist Contractors**

Name of Specialist Contractor .....

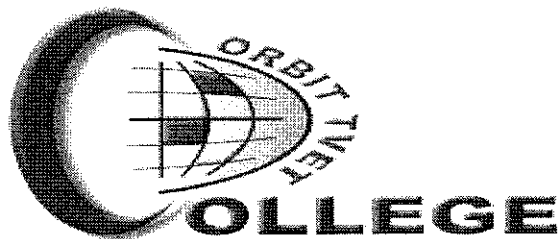
Address .....

.....

.....  
Enterprise name

.....  
Signature

.....  
Date



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**Part C1.1 Form of Offer and Acceptance**

**Offer**

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

**REHABILITATION, UPGRADING OF THE STORMWATER, SEWER DRAINAGE SYSTEM AND THE UPGRADE OF THE ENTRANCE / EXIT OF THE GATE AT THE RUSTENBURG TVET COLLEGE**

The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

**THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:**

..... Rand (in words);

.....

R ..... (in figures)

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature(s) ..... Date .....

Name(s) .....

Capacity .....

**for the tenderer** .....

Name and .....  
signature

of witness ..... Date .....

## Acceptance

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer's offer shall form an agreement between the employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

- Part C1: Agreements and Contract Data, (which includes this agreement)
- Part C2: Pricing Data
- Part C3: Scope of Work
- Part C4: Site Information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's Project Manager (whose details are given in the letter of intent to award) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfill any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed copy of the original document, including the schedule of deviations (if any). Unless the tenderer (now Contractor) within five working days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Signature(s) .....	Date .....
Name(s) .....	.....
Capacity .....	.....

**for the  
Employer** ORBIT TVET COLLEGE  
Corporate Centre, Security Gate  
C/O Fatima Bhayat and Bosch Street  
RUSTENBURG  
SA  
0300

Name and signature of witness .....	Date .....
-------------------------------------------	------------

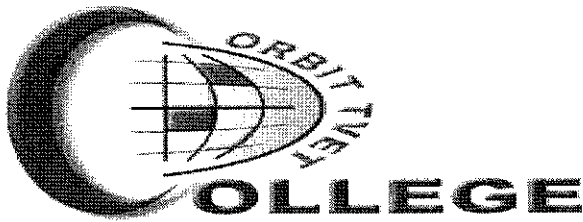


## Schedule of Deviations

1	Subject	.....
	Details	.....
		.....
		.....
		.....
2	Subject	.....
	Details	.....
		.....
		.....
		.....
3	Subject	.....
	Details	.....
		.....
		.....
		.....
4	Subject	.....
	Details	.....
		.....
		.....
		.....
5	Subject	.....
	Details	.....
		.....
		.....
		.....

By the duly authorised representatives signing this agreement, the Employer and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.



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**Part C1.2 Contract Data**

The Conditions of Contract are the NEC3 Engineering and Construction Contract - Option B: Priced contract with bill of quantities (Third edition of June 2005 with amendments 2013 - see [www.neccontract.com/Products/Contracts/Engineering-Construction-Contract/NEC3-Engineering-and-Construction-Contract-ECC-/NEC3-Engineering-and-Construction-Contract-Option-en](http://www.neccontract.com/Products/Contracts/Engineering-Construction-Contract/NEC3-Engineering-and-Construction-Contract-ECC-/NEC3-Engineering-and-Construction-Contract-Option-en)) copies of which may be obtained from the South African Institution of Civil Engineering (telephone 011-805 5947) or Engineering Contract Strategies (telephone 011-803 3008).

The NEC3 Engineering and Construction Contract makes several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the general conditions of contract.

Each item of data given below is cross-referenced to the clause in the NEC3 Engineering and Construction Contract to which it mainly applies.

**Part one: Data provided by the *Employer***

Clause	Statements / Data
1	<b>General</b>
	<p>The <i>conditions of contract</i> are the core clauses and the clauses for main Option B, Priced contract with bill of quantities, dispute resolution Option W1 and the following Secondary Option Clauses, indicated below, of the NEC3 Engineering and Construction Contract (June 2005 with amendments).</p> <p><b>Secondary Option Clauses</b></p> <p>X1 Price adjustment for inflation</p> <p>X2 Changes in the law</p> <p>X5 Sectional Completion</p> <p>X7 Delay damages</p> <p>X13 Performance Bond</p> <p>X16 Retention</p> <p>Z Additional conditions of contract</p>

10,1	<p>The <i>Employer</i> is The ORBIT TVET COLLEGE</p> <p>Physical address:           ORBIT TVET COLLEGE Corporate Centre, Security Gate, C/o Fatima Bhayat &amp; Bosch Street</p> <p>Postal address :           Private Bag X 82096, Rustenburg 0300</p> <p>Telephone:               014 597 5515</p> <p>Facsimile:               014 592 7013</p>						
10,1	<p>The Principal Agent / <i>Project Manager</i> is:</p> <p>Name       Botsang and Associates Consulting</p> <p>Address    The Gordon Office 56 Hendrik Potgieter Road Johannesburg</p>						
10,1	<p>The <i>Supervisor</i> is the people or organizations notified to the <i>Contractor</i> by the Principal Agent / <i>Project Manager</i></p>						
11.2(13)	<p>The works are the Civil works and building works, which entails: re-routing &amp; upgrading of stormwater, sewer drainage systems and upgrading of the entrance/exit gate (roads and paving) at the Rustenburg TVET College Campus</p>						
11.2(14)	<p>The following matters will be included in the Risk Register: All items that have a cost, time, quality and health and safety influence on the contract</p>						
11.2(19)	<p>The Works Information is in Part C3: Scope of Work</p>						
11.2(15)	<p>The boundaries of the site are on the site plan</p>						
11.2(16)	<p>The Site Information is in Part C4: Site Information</p>						
12,2	<p>The <i>law of the contract</i> is the law of the Republic of South Africa subject to the jurisdiction of the Courts of South Africa</p>						
13,1	<p>The <i>language of this contract</i> is English</p>						
13,3	<p>The <i>period for reply</i> is two weeks</p>						
11.2(22)	<p>The <i>completion date</i> for the whole of the works is 4 Months or 16 Weeks after the <i>starting date</i>.</p>						
11.2(23)	<p>The <i>key dates</i> and the <i>conditions</i> to be met are: <b>to be advised later</b></p> <table border="0"> <thead> <tr> <th style="text-align: left;"><b>Condition to be met</b></th> <th style="text-align: left;"><b>Key date</b></th> </tr> </thead> <tbody> <tr> <td>1 .....</td> <td>.....</td> </tr> <tr> <td>2 .....</td> <td>.....</td> </tr> </tbody> </table>	<b>Condition to be met</b>	<b>Key date</b>	1 .....	.....	2 .....	.....
<b>Condition to be met</b>	<b>Key date</b>						
1 .....	.....						
2 .....	.....						

<b>3</b>	<b>Time</b>
30,1	The access date is the starting date when access will be given to the whole of the site
31,1	The <i>Contractor</i> is to submit a first programme for acceptance within two week of the Contract Date
31,2	The <i>starting date</i> is the <i>access date</i> when the contractor receives one fully completed signed copy of this document, including the schedule of deviations (if any) as contained in the Form of Offer and Acceptance
32,2	The <i>Contractor</i> submits revised programmes at intervals no longer than two weeks
<b>4</b>	<b>Testing and Defects</b>
40,5	The <i>defects date</i> is fifty two weeks weeks after completion of the whole of the <i>works</i> .
43,2	The <i>defect correction period</i> is four weeks
<b>5</b>	<b>Payment</b>
50,1	The <i>assessment interval</i> is two weeks
51,2	The period within which payments are made is within 30 Calender days after the receipt of the agreed Invoice/Claim by the College.
51,4	The <i>interest rate</i> applicable will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999)
<b>6</b>	<b>Compensation events</b>
60.1(13)	The <i>weather measurements</i> to be recorded for each calendar month are: the cumulative rainfall (mm) the number of days with rainfall more than 10 mm
	The place where weather is to be recorded (on the Site) is on the site of an identified project in close proximity to the major portion of building works
	The <i>weather data</i> are the records of past <i>weather measurements</i> for each calendar month which were recorded at a site nearest to that of the <i>site</i> and which are available from the South African Weather Service
<b>8</b>	<b>Risks and insurance</b>
80,1	These are additional <i>Employer's</i> risks  None

84,1	<p>The Contractor submits to the <i>Employer</i> certificates of the insurance within three weeks of the <i>Contract Date</i></p> <p>The <i>Contractor</i> provides these additional insurances:</p> <p>1) A Coupon Policy for Special Risks Insurance issued by the South African Special Risks Insurance Association</p>
84,2	The minimum limit of indemnity for insurance in respect of loss of or damage to property (except the <i>works</i> , Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Contractor</i> ) caused by activity in connection with this contract for any one event is R 10,000,000.00 in respect of each claim, without limit to the number of claims
84,2	The minimum limit of indemnity for insurance in respect of death of or bodily injury to employees of the <i>Contractor</i> arising out of and in the course of their employment in connection with this contract for any one event is R 10,000,000.00
84,2	The insurance against loss of or damage to the <i>works</i> , Plant and Materials is to include cover for Plant and Materials provided by the <i>Employer</i> for an amount of R 2,000,000.00
9	<p><b>Termination</b></p> <p>As per termination clauses in the NEC Engineering and Construction Contract - Option B: Priced contract with bill of quantities (Third Edition of June 2005 with amendments 2013)</p>
10	<b>Data for main option clauses</b>
B	<b>Priced contract with bill of quantities</b>
11.2(21)	The bill of quantities is in Part C2.2: Bill of Quantities
11.2(31)	The tendered total of the Prices is in Part C1.1: Form of Offer and Acceptance
60,6	The <i>method of measurement</i> is stated in Part C2.1: Pricing Instructions
11	<b>Data for Option W1</b>
W1.1	The <i>Adjudicator</i> is appointed when a dispute arises
W1.2(3)	The <i>Adjudicator nominating body</i> is the South African Institution of Civil Engineering
W1.4(2)	The <i>tribunal</i> is a South African court of law
12	<b>Data for secondary Option clauses</b>
X1	<b>Price adjustment for inflation</b>
X1.1(a)	The <i>base date</i> for indices is the month during which the closing date for tenders falls

X1.2	<p>Price adjustment for inflation is in accordance with the JBCC Contract Price Adjustment Provisions CPAP Indices Application Manual as calculated and published by Stats SA and distributed through JBCC (May 2005 Edition)</p> <p>The listing of additional items for exclusion by Contractors, as contained in clause 3.4.3 of the CPAP</p>									
X2	<b>Changes in the law</b>									
X5, X7	<b>Sectional Completion and delay damages used together</b>									
X5.1	<p>The <i>completion date</i> for each <i>section</i> of the <i>works</i> is as per accepted/revised programme as per the below broken down sections</p> <table><tr><td><b>Section</b></td><td><b>Description</b></td><td><b>Completion date</b></td></tr><tr><td>B</td><td>Civil works</td><td>TBA</td></tr><tr><td>C</td><td>Building Works</td><td>TBA</td></tr></table>	<b>Section</b>	<b>Description</b>	<b>Completion date</b>	B	Civil works	TBA	C	Building Works	TBA
<b>Section</b>	<b>Description</b>	<b>Completion date</b>								
B	Civil works	TBA								
C	Building Works	TBA								
X7.1	Delay damages for each <i>section</i> of the <i>works</i> will be charged as per the accepted/revised programme of works, refer to the attached Penalties Calculation schedule.									
X13	<b>Performance bond</b>									
X13	The amount of the performance bond is seven comma five per cent (7,5%) of the offered total of prices inclusive of value added tax									
	The <i>Contractor</i> submits the performance bond to the <i>Employer</i> within three weeks of the <i>Contract Date</i>									
X15	<b>Limitation of the <i>Contractor's</i> liability for his design to reasonable skill and care</b>									
	No data is required for this Option									
X16	<b>Retention</b>									
X16.1	The <i>retention free amount</i> is nil									
X16.1	The <i>retention percentage</i> is 10% of such work done up to a limit of 5% of the offered total of the prices exclusive of value added tax									
X17	<b>Low performance damages</b>									
X17	<p>The low performance damage in Rands relating to the failure to attain a tendered contract participation goal in the Preferencing Schedule is calculated from the following formula:</p> $1,5 \times PP \frac{(D - D_0)}{100 \times D_0} \times CA$									

	<p>where</p> <p>D = tendered Contract Participation Goal percentage in Preferencing Schedule.</p> <p>Do = the Contract Participation Goal which the Employer's representative based on the credits passed, certifies as being achieved upon completion of the Contract</p> <p>PP = number of tender evaluation points granted as a preference</p> <p>CA = contract amount as determined in accordance with the Works Information</p>
<b>X18</b>	<b>Limitation of liability</b>
X18.1	The <i>Contractor's</i> liability to the <i>Employer</i> for indirect or consequential loss is unlimited
X18.2	For any one event, the <i>Contractor's</i> liability to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property is unlimited
X18.3	The <i>Contractor's</i> liability for Defects due to his design which are not listed on the Defects Certificate is unlimited
X18.4	The <i>Contractor's</i> total liability to the <i>Employer</i> for all matters arising under or in connection with this contract, other than the excluded matters, is unlimited
X18.5	The <i>end of liability date</i> is 10 years after the Completion of the whole of the works
<b>Z</b>	<p><b>Additional conditions of contract</b></p> <p>The following additional clauses and/or amendments to the core or secondary option clauses are added to the conditions of contract</p>
Z1	Clause 13.1 is amended by the addition of the following:
	Communication by cellphone SMS's is not acceptable
Z2	The following sentence is added to clause 27.4:
	The Contractor submits a health and safety plan to the Project Manager within three weeks of the Contract Date. The Contractor does not start work on the site until approval of the health and safety plan by the Project Manager.
Z3	Clause 61.3 is amended by replacing "eight weeks" with "four weeks"
Z4	<p>The following sentence is added to clause 62.3:</p> <p>The Principal Agent / <i>Project Manager</i> does not accept a quotation prior to obtaining approval from the <i>Employer</i></p>

Z5	Clause 62.6 is amended by replacing the word "acceptance" with the word " rejection pending approval or disapproval by the client " in the last sentence of this clause,
Z6	The following sentence is added to clause 64.3:  The Principal Agent / <i>Project Manager</i> does not notify the Contractor of his assessment prior to obtaining approval from the Employer
Z7	Clause 64.4 is amended by replacing the word "acceptance" with the word " rejection" in the last sentence of this clause
Z8	Scope of the Work as described in Part C3
Z9	The Contractor submits a health and safety plan to the Project Manager within three weeks of the Contract Date. The Contractor does not start work on the site until approval of the health and safety plan by the Project Manager.
Z10	Clause 40.1 is amended by replacing "tests required by works information" to "all tests specified in the Contract other than the Tests after Completion (if any)"
Z11	Clause 40.2 is replaced by "Except as otherwise specified in the Contract, the Contractor shall provide all apparatus, assistance, documents and other information, electricity, equipment, fuel, consumables, instruments, labour, materials, and suitably qualified and experienced staff, as are necessary to carry out the specified tests efficiently. The Contractor shall agree, with the Supervisor, the time and place for the specified testing of any Plant, Materials and other parts of the Works."
Z12	Clause 40.3 is amended by adding the following:  The Supervisor may, vary the location or details of specified tests, or instruct the Contractor to carry out additional tests. If these varied or additional tests show that the tested Plant, Materials or workmanship is not in accordance with the Contract, the cost of carrying out this Variation shall be borne by the Contractor, notwithstanding other provisions of the Contract.
Z13	The <i>Contractor</i> submits his valid tax invoice and valid Tax Clearance Certificate one week after receiving a payment certificate from the <i>Project Manager</i> in terms of clause 51.1. Where the <i>Contractor</i> does not submit his valid tax certificate and valid Tax Clearance Certificate within the time required:  <ul style="list-style-type: none"> <li>the period within which payment is made in terms of clause 51.2 and</li> <li>the time allowed in clause 91.4</li> </ul> are extended by the length of time from the date when the <i>Contractor</i> should have submitted his valid tax invoice and valid Tax Clearance Certificate to the date when he does submit it.
Z14	X18.1, X18.2, X18.3 and X18.4 :Is amended by replacing the word "limited" with "unlimited"
Z15	Clause X13,1 is ammended by replacing the wording " <b>eight (8) weeks</b> " with the wording " <b>four (4) weeks</b> "
Z16	Clause 9.04 is ammended by replacing the wording "thirteen" and "three" by the words"two" and "six " consecutively



Z17	<p>The following sentence is added to clause 50.1:</p> <p>Before the employer's agent issues any certificate that includes any payment in respect of work done or goods supplied by any subcontractor, the contractor is to furnish reasonable proof of payments to subcontractors. These shall be made available at all reasonable times to all persons concerned with the contract.</p> <p>A monthly report on job creation should be submitted together with claims signed off by contractor, construction project manager and contractor liaison officer.</p>
Z18	<p><b>Payment of labour-intensive component of works</b></p> <p>Payment for works identified in the Scope of Works as being labour-intensively shall only be made in accordance with the provisions of the contract if the works are constructed strictly in accordance with the provisions of the same Scope of Work. Any non-payment for such works shall not relieve the contractor in any way from his obligation either in contract or in delict.</p> <hr/> <p><b>Linkage of payment for labour-intensive component of works to submission of project data.</b></p> <p>The Contractor's payment invoices shall be accompanied by labour information for the corresponding period in a format specified by the employer. If the contractor chooses to delay submitting payment invoices, labour returns shall be submitted as per frequency and timeframe stipulated by the Employer. The contractor's invoice shall not be paid until all pending labour information has been submitted.</p> <p><b>Applicable labour laws</b></p> <p>The current Ministerial Determination (Also downloadable at <a href="http://www.epwp.gov.za">www.epwp.gov.za</a>), Expanded Public Works Programme, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice, shall apply to works described in the scope of work as being labour-intensive and which are undertaken by unskilled or semi-skilled workers.</p>

## Part two: Data provided by the Contractor

Note: The tendering contractor is advised to read both the NEC3 Engineering and Construction Contract (June 2005) and the relevant parts of its Guidance Notes (ECC3-GN) in order to understand the implications of this Data which the tenderer is required to complete.

Clause	Statements / Data
10,1	<p>The Contractor is</p> <p>Name .....</p> <p>Address .....</p> <p>Telephone: .....</p> <p>Facsimile: .....</p>
11.2(8)	The <i>direct fee percentage</i> is <b>0,05%</b>
11.2(8)	The <i>subcontracted fee percentage</i> is <b>5%</b>
11.2(18)	The <i>working areas</i> are the Site Only.
24,1	<p>The key people are</p> <p><b>1</b> Name .....</p> <p>Job .....</p> <p>Responsibilities .....</p> <p>Qualifications .....</p> <p>Experience .....</p> <p><b>2</b> Name .....</p> <p>Job .....</p> <p>Responsibilities .....</p> <p>Qualifications .....</p> <p>Experience .....</p>
11.2(3)	The <i>completion date</i> for the whole of the works is <b>4 Months or 16 Weeks</b> after the starting date.
11.2(14)	<p>The following matters will be included in the Risk Register:</p> <p>.....</p> <p>.....</p> <p>.....</p>

11.2(19)	The Works Information for the <i>Contractor's</i> design is in .....															
31,1	The programme identified in the Contract Data is in .....															
	<b>Data for the Shorter Schedule of Cost Components</b>															
41 in SSCC	The percentage for people overheads is ..... %															
21 in SSCC	<p>The published list of Equipment is the last edition of the list published by the Contractor's Plant Hire Association in their publication Hire SA in Africa (Tel (011) 293 7457)</p> <p>The percentage for adjustment for Equipment in the published list is ..... % (state plus or minus)</p>															
22 in SSCC	<p>The rates for other Equipment are</p> <table border="1"> <thead> <tr> <th>Equipment</th><th>Size or capacity</th><th>Hourly Rate</th></tr> </thead> <tbody> <tr><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td><td>.....</td></tr> <tr><td>.....</td><td>.....</td><td>.....</td></tr> </tbody> </table>	Equipment	Size or capacity	Hourly Rate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Equipment	Size or capacity	Hourly Rate														
.....	.....	.....														
.....	.....	.....														
.....	.....	.....														
.....	.....	.....														
61 in SCC and SSCC	<p>The hourly rates for Defined Cost of design outside the Working Areas are</p> <table border="1"> <thead> <tr> <th>Category of Employee</th><th>Hourly rate</th></tr> </thead> <tbody> <tr> <td>Professional engineer or professional engineering technologists</td><td>.....</td></tr> <tr> <td>Technically qualified staff</td><td>.....</td></tr> <tr> <td>Draughts person</td><td>.....</td></tr> </tbody> </table>	Category of Employee	Hourly rate	Professional engineer or professional engineering technologists	.....	Technically qualified staff	.....	Draughts person	.....							
Category of Employee	Hourly rate															
Professional engineer or professional engineering technologists	.....															
Technically qualified staff	.....															
Draughts person	.....															
62 in SCC and SSCC	The percentage for design overheads is ..... %															
63 in SCC and SSCC	The categories of design employees whose travelling expenses to and from the Working Areas are included in Defined Cost are professional engineer or professional engineering technologists, technically qualified staff and draughts person															



**Bid Number: R04/2020**

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

**Part C1.3 Performance Bond (for use with Option X13)**

Note: This proforma to be reproduced exactly as shown below on the letterhead of the Surety

ORBIT TVET COLLEGE  
Corporate Centre, Security Gate  
C/O Fatima Bhayat and Bosch Street  
RUSTENBURG  
SA  
0300

Date:

Dear Sirs,

With reference to the ..... contract made or to be made between

ORBIT TVET COLLEGE  
Corporate Centre, Security Gate  
C/O Fatima Bhayat and Bosch Street  
RUSTENBURG  
SA  
0300

(the *Employer*) and

(Insert registered name and address of the Contractor)

(the *Contractor*), for

(the works).

I/We the undersigned  
on behalf of the Surety  
of physical address

.....  
.....  
.....  
.....  
.....

and duly authorised thereto do hereby bind ourselves as Surety and co-principal debtors in solidum for the due and faithful performance of all the terms and conditions of the Contract by the *Contractor* and for all losses, damages and expenses that may be suffered or incurred by the *Employer* as a result of non-performance of the Contract by the *Contractor*, subject to the following conditions:

- 1 The terms *Employer*, *Contractor*, *Project Manager*, works and Defects Certificate have the meaning as assigned to them by the *Conditions of Contract* stated in the Contract Data for the aforesaid Contract.
- 2 We renounce all benefits from the legal exceptions "Benefit of Excussion and Division", "No value received" and all other exceptions which might or could be pleaded against the validity of this bond, with the meaning and effect of which exceptions we declare ourselves to be fully acquainted.
- 3 The *Employer* has the absolute right to arrange his affairs with the *Contractor* in any manner which the *Employer* deems fit and without being advised thereof the Surety shall not have the right to claim his release on account of any conduct alleged to be prejudicial to the Surety. Without derogating from the foregoing compromise, extension of the construction period, indulgence, release or variation of the *Contractor's* obligation shall not affect the validity of this performance bond.
- 4 This bond will lapse on the earlier of
  - the date that the Surety receives a notice from the *Project Manager* stating that the last Defects Certificate has been issued, that all amounts due from the *Contractor* as certified in terms of the contract have been received by the *Employer* and that the *Contractor* has fulfilled all his obligations under the Contract, or
  - the date that the Surety issues a replacement Performance Bond for such lesser or higher amount as may be required by the *Project Manager*.
- 5 Always provided that this bond will not lapse in the event the Surety is notified by the *Project Manager* of the *Employer's* intention to institute claims and the particulars thereof, in which event this bond shall remain in force until all such claims are paid and settled.
- 6 The amount of the bond shall be payable to the *Employer* upon the *Employer's* demand and no later than 7 days following the submission to the Surety of a certificate signed by the *Project Manager* stating the amount of the *Employer's* losses, damages and expenses incurred as a result of the non-performance aforesaid. The signed certificate shall be deemed to be conclusive proof of the extent of the *Employer's* loss, damage and expense
- 7 Our total liability hereunder shall not exceed the sum of:
 

(say) \_\_\_\_\_ Rand (in words)

R \_\_\_\_\_ (in figures)
- 8 This Performance Bond is neither negotiable nor transferable and is governed by the laws of the Republic of South Africa, subject to the jurisdiction of the courts of the Republic of South Africa.

Signed at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

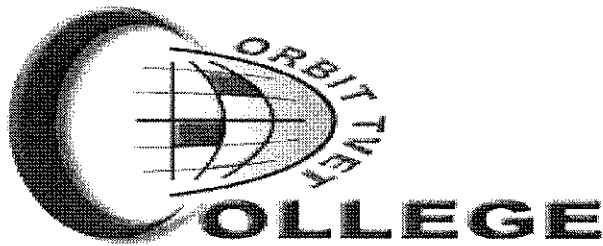
Signature(s) \_\_\_\_\_

Name(s) (printed) \_\_\_\_\_

Position in Surety company \_\_\_\_\_

Signature of Witness(s) \_\_\_\_\_

Name(s) (printed) \_\_\_\_\_



**Bid Number: R04/2020**

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

**Part C2.1 Pricing Instructions**

- 1 "The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work (as amended) published and issued by the Association of South African Quantity Surveyors (Sixth Edition (Revised)), 1999. Where applicable the:
  - a) civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Civil Engineering Works.
  - b) mechanical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Refrigeration, Air-Conditioning and Ventilation Installations, published by the South African Association of Quantity Surveyors, July 1990).
  - c) electrical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005)."
- 2 The agreement is based on the NEC3 Engineering and Construction Contract - Option B: Priced contract with bill of quantities (Third edition of June 2005 with amendments, June 2006). The additions, deletions and alterations to the NEC3 Engineering and Construction Contract as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Bill of Quantities are recited.
- 3 It will be assumed that prices included in the Bill of Quantities, unless otherwise stated in the Scope of Work, are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published before the closing date for tenders. (Refer to [www.stanza.org.za](http://www.stanza.org.za) or [www.iso.org](http://www.iso.org) for information on standards).
- 4 The drawings listed in the Scope of Works used for the setting up of this Bill of Quantities are kept by the Project Manager and can be viewed at any time during office hours up until the completion of the works.
- 5 Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted.
- 6 Where any item is not relevant to this specific contract, such item is marked **not applicable**.
- 7 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminaries) of the Bill of Quantities

- 8 The Bill of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bill of Quantities, is at the Contractor's risk.
- 9 The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract.
- 10 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 9 but taking into account the revised period for completing the works.
- 11 The amount or the items of the Preliminaries shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bill of Quantities:
  - a) an amount which is not to be varied, namely Fixed
  - b) an amount which is to be varied in proportion to the contract value, namely Value Related; and
  - c) an amount which is to be varied in proportion to the construction period as compared to the initial construction period excluding revisions to the construction period for which the contractor is not entitled to adjustment in terms of the contract, namely Time Related.
- 12 Where no provision is made in the Bill of Quantities to indicate which of the three categories in 11 apply or where no selection is made, the adjustments shall be based on the following breakdown:
  - a) 10 percent is Fixed;
  - b) 15 percent is Value Related
  - c) 75 percent is Time Related
- 13 The adjustment of the Preliminaries shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.
- 14 Those parts of the works to be constructed using labour-intensive methods are marked in the bill of quantities with the letters LI either in a separate column or as a prefix or suffix against every item so designated. The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a deviation from the contract. The items marked with the letters LI are not necessarily an exhaustive list of all the activities which must be done by hand and this clause does not over-ride any of the requirements in the generic labour-intensive specification in the Scope of Works. Where minimum labour intensity is specified in the design, the contractor is expected to use their initiative to identify additional activities that can be done labour-intensively in order to comply with the set minimum labour intensity targets.
- 15 Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict

- 16 Add to item: The contractor's invoices shall not be paid until all pending labour information has been submitted. The client may institute a penalty relating to outstanding labour information. .

The following information shall be maintained on site and submitted in electronic/hard copy formats:

- Certified ID copies of all locally employed labour
- Signed Contracts between the employer and the EPWP Participants - TBA
- Attendance Registers for the EPWP Participants - TBA
- Proof of Payment of EPWP Employees - TBA
- Monthly Reporting Template as per EPWP requirements - TBA



## Quantity

## NOTES

- ## SECTION A: CORE CLAUSES

## Clause 1.0

## Clause 2.0

Fixed:..... Value Related:..... Time Related:.....

**Community Liaison Officer (CLO)**

F:..... V:..... T:.....

4	Attendance on ditto.
---	----------------------

R

**By Botsang and Associates Consulting (PTY) Ltd**

## Brought Forward

## Health and Safety Requirements

- Item

**8 PRICED CONTRACT WITH BILL OF QUANTITIES (B1)**

Item

R

**By Botsang and Associates Consulting (PTY) Ltd**

**Section 1****Preliminaries****Contract****Part C2: Pricing Data**

It is required of the contractor to thoroughly study the Annexure B: Specification for Occupational Health and Safety in engineering and construction works contracts that must be read together with and is deemed to be incorporated under this Section of the bills of quantities.

The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and the Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the project manager reserves the right to delay issuing any interim payments until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.

Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and the Generic 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.

The contractor shall within three weeks of the written acceptance by the employer of the Contractor's tender offer and prior to commencing with the works, submit to the Project Manager for approval a suitable and sufficiently documented health and safety plan, based on this specification and the risk assessment that is conducted. No access to the site will be allowed to the contractor without the documented health and safety plan being submitted to and approved by the project manager.

Fixed:..... Value Related:..... Time Related:.....

Item

**3 TIME (A3)**

Clause 3.0

Fixed:..... Value Related:..... Time Related:.....

Item

**4 TESTING AND DEFECTS (A4)**

Clause 4.0

Fixed:..... Value Related:..... Time Related:.....

Item

**5 PAYMENT (A5)**

Clause 50.0

Clause 50.0 is amended by the addition of the following clause:

Materials and goods stored off site are not included in the amount authorised for payment

Fixed:..... Value Related:..... Time Related:.....

Item

**Carried to Collection**

**R**

	<b>Section 1</b> <b>Preliminaries</b> <b>Contract</b> <b>Part C2: Pricing Data</b>		
6	<b>COMPENSATION EVENTS (A6)</b>  Clause 6.0  Fixed:..... Value Related:..... Time Related:.....	Item	
7	<b>TITLE (A7)</b>  Clause 7.0  Fixed:..... Value Related:..... Time Related:.....	Item	
8	<b>RISKS AND INSURANCE (A8)</b>  Clause 8.0  Fixed:..... Value Related:..... Time Related:.....	Item	
9	<b>TERMINATION (A9)</b>  Clause 9.0  Fixed:..... Value Related:..... Time Related:.....	Item	
	<b>SECTION B: MAIN OPTION CLAUSES</b>		
10	<b>PRICED CONTRACT WITH BILL OF QUANTITIES (B1)</b>  Clause 10.0  The quantities in provisional bills of quantities are an indication of the works to be executed and are subject to remeasurement  Fixed:..... Value Related:..... Time Related:.....	Item	
	<b>SECTION C: DISPUTE RESOLUTION</b>		
11	<b>OPTION W1 (C1)</b>  Clause 11.0  Fixed:..... Value Related:..... Time Related:.....	Item	
	<b>SECTION D: SECONDARY OPTION CLAUSES</b>		
12	<b>X1 PRICE ADJUSTMENT FOR INFLATION (D1)</b>  Clause 12.0  Fixed:..... Value Related:..... Time Related:.....	Item	
	<div>Carried to Collection</div>	R	

	<b>Section 1</b> <b>Preliminaries</b> <b>Contract</b> <b>Part C2: Pricing Data</b>	
13	<b>X2 CHANGES IN THE LAW (D2)</b>  Clause 13.0  Fixed:..... Value Related:..... Time Related:.....	Item
14	<b>X3 MULTIPLE CURRENCIES (D3)</b>  Clause 14.0  Fixed:..... Value Related:..... Time Related:.....	Item
15	<b>X4 PARENT COMPANY GUARANTEE (D4)</b>  Clause 15.0  Fixed:..... Value Related:..... Time Related:.....	Item
16	<b>X5 SECTIONAL COMPLETION (D5)</b>  Clause 16.0  Fixed:..... Value Related:..... Time Related:.....	Item
17	<b>X6 BONUS FOR EARLY COMPLETION (D6)</b>  Clause 17.0  Fixed:..... Value Related:..... Time Related:.....	Item
18	<b>X7 DELAY DAMAGES (D7)</b>  Clause 18.0  Fixed:..... Value Related:..... Time Related:.....	Item
19	<b>X12 PARTNERING (D8)</b>  Clause 19.0  Fixed:..... Value Related:..... Time Related:.....	Item
20	<b>X13 PERFORMANCE BOND (D9)</b>  Clause 20.0  Fixed:..... Value Related:..... Time Related:.....	Item
	Carried to Collection	R

	Section 1		
	Preliminaries		
	Contract		
	Part C2: Pricing Data		
21	X14 ADVANCED PAYMENT TO THE CONTRACTOR (D10)		
	Clause 21.0		
	Fixed:..... Value Related:..... Time Related:.....	Item	
22	X15 LIMITATION OF THE CONTRACTOR'S LIABILITY FOR HIS DESIGN TO REASONABLE SKILL AND CARE (D11)		
	Clause 22.0		
	Fixed:..... Value Related:..... Time Related:.....	Item	
23	X16 RETENTION (D12)		
	Clause 23.0		
	Fixed:..... Value Related:..... Time Related:.....	Item	
24	X17 LOW PERFORMANCE DAMAGES (D13)		
	Clause 24.0		
	Fixed:..... Value Related:..... Time Related:.....	Item	
25	X18 LIMITATION OF LIABILITY (D14)		
	Clause 25.0		
	Fixed:..... Value Related:..... Time Related:.....	Item	
26	X20 KEY PERFORMANCE INDICATORS (D15)		
	Clause 26.0		
	Fixed:..... Value Related:..... Time Related:.....	Item	
27	Z ADDITIONAL CONDITIONS OF CONTRACT (D16)		
	Clause 27.0		
	Fixed:..... Value Related:..... Time Related:.....	Item	
		Carried to Collection	R

**Section 1****Preliminaries****Contract****Part C2: Pricing Data****SECTION E: CONTRACT DATA****28 CONTRACT DATA (E1)****Clause 28.0**

Tenderers are referred to Part C1.2 Contract Data for variables pertaining to this contract

Fixed:..... Value Related:..... Time Related:.....

Item

**SECTION F: SCOPE OF WORK****EMPLOYER'S OBJECTIVES**

Fixed:..... Value Related:..... Time Related:.....

Item

**EXTENT OF THE WORKS**

Fixed:..... Value Related:..... Time Related:.....

Item

**LOCATION OF THE WORKS**

Fixed:..... Value Related:..... Time Related:.....

Item

**EMPLOYER'S DESIGN**

Fixed:..... Value Related:..... Time Related:.....

Item

**DESIGN BRIEF**

Fixed:..... Value Related:..... Time Related:.....

Item

**PREFERENTIAL PROCUREMENT DELIVERABLES**

Fixed:..... Value Related:..... Time Related:.....

Item

**PROVIDE EMPLOYMENT AND SKILLS DEVELOPMENT OPPORTUNITIES TO TARGET LABOUR**

Fixed:..... Value Related:..... Time Related:.....

Item

**PARTICIPATION GOALS**

Fixed:..... Value Related:..... Time Related:.....

Item

**WORKS SPECIFICATION**

Fixed:..... Value Related:..... Time Related:.....

Item

**Carried to Collection****R**

**Section 1****Preliminaries****Contract****Part C2: Pricing Data****PLANT, EQUIPMENT AND MATERIALS**

Fixed:..... Value Related:..... Time Related:.....

Item

**FACILITIES PROVIDED BY THE CONTRACTOR**

Fixed:..... Value Related:..... Time Related:.....

Item

**EXISTING SERVICES**

Fixed:..... Value Related:..... Time Related:.....

Item

**MANAGEMENT OF THE WORKS**

Fixed:..... Value Related:..... Time Related:.....

Item

**HEALTH AND SAFETY**

Fixed:..... Value Related:..... Time Related:.....

Item

**PROTECTION OF THE PUBLIC**

Fixed:..... Value Related:..... Time Related:.....

Item

**AIDS AND AWARENESS**

Fixed:..... Value Related:..... Time Related:.....

Item

**SECTION G: SITE INFORMATION****THE SITE**

Fixed:..... Value Related:..... Time Related:.....

Item

**WORK AREA**

Fixed:..... Value Related:..... Time Related:.....

Item

**ACCESS**

Fixed:..... Value Related:..... Time Related:.....

Item

Carried to Collection

R



Section 1  
Preliminaries  
Contract  
Part C2: Pricing Data  
SECTION 1

PRELIMINARIES

**COLLECTION**

Total brought Forward from Page

**Page                      Amount**

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8


Carried to Final Summary

R


Section 1  
Preliminaries  
Contract  
Part C2: Pricing Data

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>			
	<b><u>BILL NO. 1</u></b>			
	<b><u>ALTERATIONS</u></b>			
	<b><u>Note:</u></b>			
	The tenderer is advised to refer to "Model Preamble For Trades" before pricing this Bill			
	<b><u>Site Protection</u></b>			
1	Barricade of the Works for Safety with an approved material. (Poles treated wooden droppers, incl. Gate for entry/exit) - 1.8m High Safety Netting. or similar approved material	m2	375	
	<b><u>REMOVAL OF EXISTING WORK</u></b>			
	<u>Carefully taking out existing paver's, set aside for re-use, after making good to repave (measured elsewhere)</u>			
2	Carefully taking out existing paver's, set aside for re-use, damaged paver's to be replaced (measured elsewhere)	m2	450	
	<u>Carefully taking out existing kerbing stones, set aside for re-use, after making good to re-lay kerbs (measured elsewhere)</u>			
	:			
3	Carefully taking out existing kerbs, set aside for re-use, etc.	m	260	
	<u>Carefully Inspect, take out/reposition of existing services crossing/adjoining the trench/road, etc. and set aside for re-installation, making good to re-lay services (measured elsewhere)</u>			
	:			
4	<u>Carefully Inspect, take out/reposition of existing services crossing/adjoining the trench</u>	m	395	
	<b>Carried Forward</b>		R	
	Section No. 2			
	Bill No. 1			
	Alterations			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>				<b>R</b>
	<u>Carefully break down/trim off brick wall, over hanging trees from the roofing structures. (All works to be supervised by the relevant engineer)(waist to be dumped to a site located by the contractor), and make good to re-brick up wall, etc.</u>			
5	Breaking down and trimming wall, creating passage for pipe, making good to re-build	m2	58	
	<u>Allow for the Trimming/cutting of trees, gutters, storm water v-drains, etc.</u>			
6	Allow for trimming/cutting of trees, diameter to be verified on site, cleaning of gutters, v-drains, etc.		Item	
<b>Carried Forward to Summary of Section No. 2</b>				<b>R</b>
Section No. 2				
Bill No. 1				
Alterations				
<b>By Botsang and Associates Consulting (PTY) Ltd</b>				

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>			
	<b><u>BILL NO. 2</u></b>			
	<b><u>EARTHWORKS</u></b>			
	<b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Carting away of excavated material</u></b>			
	Descriptions of carting away of excavated material shall be deemed to include for bulking and loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.			
	<b><u>Subterranean water</u></b>			
	No information regarding subterranean water is available. The tenderer must acquaint himself of the presence and depth of subterranean water and allow thereof in his prices.			
	<b><u>SITE CLEARANCE ETC</u></b>			
	<b><u>Site clearance</u></b>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	62	
2	Stripping average 100mm thick layer of top soil and stockpiling on site	m2	78	
	<b><u>REMOVAL OF TREES ETC</u></b>			
	<b>Carried Forward</b>			R
	Section No. 2 Bill No. 2 Earthworks			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>			R
<b><u>Taking out and removing, grubbing up roots and filling in holes:</u></b>			
3	Tree stump exceeding 1000mm and not exceeding 1500mm girth	No	6
<b><u>EXCAVATIONS</u></b>			
<b><u>Excavation/trimming/scraping in compacted earth not exceeding 500mm deep in:</u></b>			
4	Excavate/trimmingscraping in all materials for storm water V-drains, trapezoid drain, strip footing, ground beams, thickening backfill, compact	m3	36
<b><u>Excavation in earth not exceeding 600mm deep</u></b>			
5	Trenches	m3	48
<b><u>Extra over excavations other than bulk in earth for excavation in:</u></b>			
6	Soft rock.	m3	12
7	Hard rock.	m3	24
<b><u>RISK OF COLLAPSE</u></b>			
<b><u>Risk of collapse to:</u></b>			
8	Sides of trench and hole excavations not exceeding 500mm deep.	m2	58
<b><u>CARTING AWAY</u></b>			
<b><u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u></b>			
9	Off site to a dumping site to be located by the Contractor.	m3	48
<b>Carried Forward</b>			R
Section No. 2 Bill No. 2 Earthworks			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

## Storm-water, Sewer Pipe Rehabilitation and the Upgrade to the Exit/Entrance Gate at Rustenburg College

Brought Forward			R
	<u>Filling with material from excavations including hauling, spread, level, water and compact to a density of at least 93% Mod. AASHTO maximum density in 150mm thick layers:</u>		
10	Backfilling to trenches, holes, etc.	m3	40
	<u>Compaction of surfaces</u>		
11	Compaction of ground surface under footing/floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	68
	<u>Prescribed density tests on filling</u>		
12	"Modified AASHTO Density" test	No	5
	<b><u>KEEP EXCAVATIONS FREE OF WATER</u></b>		
13	Allow for keeping excavations free of water.	Item	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Earthworks			
By Botsang and Associates Consulting (PTY) Ltd			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>			
	<b><u>BILL NO. 3</u></b>			
	<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>			
	The tenderer is advised to refer to "Model Preamble For Trades" before pricing this Bill			
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>			
	<u>25MPa/19mm concrete</u>			
1	V-drains panels cast on road intersections.	m3	34	
2	Strip footings	m3	24	
	<u>Concrete sundries</u>			
3	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	No	5	
	<b><u>CONCRETE SUNDRIES</u></b>			
	<u>Finishing top surfaces of concrete smooth with a wood float/steel trowel, Unformed surface finishes</u>			
4	Wood float finish in all trapezoidal storm water concrete drains surface beds, etc	m2	47	
	<b><u>SMOOTH FORM WORK (DEGREE OF ACCURACY 1)</u></b>			
	<u>Smooth form work to sides, in narrow widths, etc.</u>			
5	Edges, risers, ends and reveals not exceeding 200mm high or wide on the top horizontal edge of all storm water concrete drains	m	96	
	<b><u>REINFORCEMENT (PROVISIONAL)</u></b>			
	<b>Carried Forward</b>		R	
	Section No. 2 Bill No. 3 Concrete, Formwork & Reinforcement			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

## Storm-water, Sewer Pipe Rehabilitation and the Upgrade to the Exit/Entrance Gate at Rustenburg College

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**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>			
	<b><u>BILL NO. 4</u></b>			
	<b><u>MASONRY</u></b>			
	<b><u>Note:</u></b>			
	The tenderer is advised to refer to "Model Preamble For Trades" before pricing this Bill			
	<b><u>SUPERSTRUCTURE</u></b>			
	<u>Brickwork of (14 MPa nominal compressive strength) in class 2 mortar. The brick to be in a 50% 50% ration as per the engineers spec.</u>			
1	One brick walls	m2	38	
	<b><u>BRICKWORK SUNDRIES</u></b>			
	<u>Brickwork reinforcement, every 2th course or as instructed by the Structural Engineer.</u>			
2	150mm Wide reinforcement built in horizontally	m	190	
	<b><u>FACE BRICKWORK</u></b>			
	<u>"FBX" clay face bricks flush vertical and flush horizontal joints. or similar approved brick to match existing bricks, etc.</u>			
3	Extra over brickwork for face brickwork	m2	78	
	<b><u>BRICKWORK SUNDRIES</u></b>			
	<u>Brickwork reinforcement, every 2th course or as instructed by the Structural Engineer.</u>			
4	150mm Wide reinforcement built in horizontally	m	390	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2			
	Bill No. 4			
	Masonry			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>			
	<b><u>BILL NO. 5</u></b>			
	<b><u>STORM-WATER &amp; SEWER DRAINAGE</u></b>			
	<b><u>Note:</u></b>			
	The tenderer is advised to refer to "Model Preamble For Trades" before pricing this Bill			
	<b><u>STORM-WATER &amp; SEWER DRAINAGE</u></b>			
	<u>HDPE PE 100PN 12.5 pipes or 160mm Diameter</u> <u>Concrete Storm-water/sewer pipe, etc, or similar</u> <u>approved</u>			
1	160mm Pipes laid in and including trenches not exceeding 1m deep	m	71	
2	160mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	65	
	<u>HDPE PE 100PN 12.5 pipes crossing structures and</u> <u>road by horizontal directional drilling (HDD) including</u> <u>preparation, setting up plant and equipment, preparing</u> <u>new pipe, commissioning and all related mechanical and</u> <u>civil work, or similar approved pipe (per the engineer's</u> <u>instructions</u>			
3	160mm Pipes laid to fall at SE1 to SE4	m	168	
4	160mm Pipes laid to fall at SE5 to SE7	m	156	
	<u>Extra over HDPe, concrete, uPVC, pipes for fittings,</u> <u>etc.</u>			
5	160mm to 110mm Reducing bend	No	6	
6	160mm to 110mm Reducing junction	No	7	
7	160mm Access bend	No	8	
8	160mm Access junction	No	8	
	<b>Carried Forward</b>			R
	Section No. 2 Bill No. 5 Storm water & Sewer Drainage			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>			R	
<u>Sundries</u>				
9	350 x 350mm 15MPa Unreinforced concrete encasing around 110/160mm horizontal pipe	m	35	
10	110/160mm uPVC/concrete cleaning eye to end of 110/160mm uPVC/concrete pipe	No	10	
11	350 x 350 x 50mm Thick precast concrete inspection eye marker slab finished smooth on exposed surfaces with letters "I.O." or "I.E." on top and placed flush in ground or paving	No	10	
12	25Mpa/19mm Unreinforced concrete in thrust blocks at bends, junctions, etc including necessary extra excavation, backfilling, formwork, etc	m3	6	
<u>Prescribed density tests on filling</u>				
13	Allow the amount of R 3 000.00 (Three Thousand Rand) for testing soil drainage system as prescribed by the Engineer and to his approval		Item	3 000.00
<u>MAIN HOLE, etc</u>				
<u>Precast concrete manholes with medium duty concrete manhole cover and frame, frame bedded in 1:3 cement mortar, spacers bedded in 1:6 cement mortar and precast concrete slab including excavations, backfilling, compaction, risk of collapse, cart away surplus material, 300mm thick unreinforced 25MPa/19mm concrete base projecting 75mm wide from walls, benching, junctions, channelling, and step irons all in accordance with engineer's drawings for the following depths:</u>				
14	980mm diameter (internally) Pre-cast concrete manhole not exceeding 1.5m deep internally	No	3	
15	1050mm diameter (internally) Precast concrete manhole exceeding 1.5m and not exceeding 2.0m deep internally	No	5	
<u>CUTTING THROUGH ROAD SURFACE</u>				
<b>Carried Forward</b>			R	
Section No. 2 Bill No. 5 Storm water & Sewer Drainage				
<b>By Botsang and Associates Consulting (PTY) Ltd</b>				

## Storm-water, Sewer Pipe Rehabilitation and the Upgrade to the Exit/Entrance Gate at Rustenburg College

Brought Forward		R
<u>Cutting through and hacking up/off:</u>		
16	Bituminous asphalt road surfacing for 110/160mm sewer pipe crossing the road (making good fill and tar surface elsewhere)	m2 68
<u>SEWER CONNECTION</u>		
17	Cutting into side of existing manhole chamber for and connecting 160mm pipe including inserting 160mm channel junction and making good concrete benching	No 2
Carried Forward to Summary of Section No. 2		R
Section No. 2		
Bill No. 5		
Storm water & Sewer Drainage		
By Botsang and Associates Consulting (PTY) Ltd		

**Item  
No**

**BILL NO. 6**

NOTES:

**Note:**

## PAVING

- 1 Paving of 60/80mm thick double zig-zag (shape S-A) interlocking pre cast concrete paving blocks complying with SANS 1058, with butt joints on 20mm thick river sand bed with sand swept into joints, including preparation of ground or filling, or similar to match existing, etc.

m2	108
----	-----

- 2 Allow for cutting of concrete blocks

m	125.0
---	-------

3 25mm thick clean, dry river sand layer treated with an approved weed killer at a rate of 50 grams per square metre, spread and levelled to receive paving blocks (elsewhere)

m2	108
----	-----

4	Services that crosses/adjoin the trenches, relayed/ installed
---	------------------------------------------------------------------

m	38
---	----

**Carried Forward**

R

**By Botsang and Associates Consulting (PTY) Ltd**

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>			R
<u>Disconnection from Septic Tank</u>			
5	Provide the provisional amount of R 15,000.00 (Fifteen Thousand Rand) for the disconnection of the existing sewer from the septic tank to the new proposed sewer / storm-water line complete.	Item	15 000.00
6	Profit on above item	Item	
7	Attendance on ditto.	Item	
<u>Demolition of the student shelter</u>			
8	Provide the provisional amount of R 30,000.00 (Thirty Thousand Rand) for the demolishing of the student structure, all material to be either carted away to a site located by the contractor, should the client require material the PA will instruct the contractor, complete.	Item	30 000.00
9	Profit on above item	Item	
10	Attendance on ditto.	Item	
<u>Allow for the Budgetary amounts</u>			
<u>Connection to municipal systems</u>			
11	Provide for the budgetary amount of R 95,000.00 (Ninety-five Thousand Rand) for the connection to the municipal systems for the two lines from the College	Item	95 000.00
12	Profit on above item	Item	
13	Attendance on ditto.	Item	
 <b>Carried Forward to Summary of Section No. 2</b>			R
Section No. 2			
Bill No. 6			
External Works			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

## Storm-water, Sewer Pipe Rehabilitation and the Upgrade to the Exit/Entrance Gate at Rustenburg College

Bill No	SECTION SUMMARY - Storm-water, Sewer Pipe Rehabilitation	Page No	Amount
1	Alterations	4	
2	Earthworks	7	
3	Concrete, Formwork & Reinforcement	9	
4	Masonry	10	
5	Storm water & Sewer Drainage	13	
6	External Works	15	
<b>Carried to Final Summary</b>			R
Section No. 2			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 1</u></b>			
	<b><u>ALTERATIONS</u></b>			
	<b><u>Note:</u></b>			
	The tenderer is advised to refer to "Model Preamble For Trades" before pricing this Bill			
	<b><u>REMOVAL OF EXISTING WORK</u></b>			
	<b><u>Renovations and Alterations</u></b>			
	<u>Carefully break/hack off existing concrete beams, and cart away to a site located by the contractor, and make good for new work, etc.</u>			
1	Breakdown concrete beams, and make good for new extension, etc	m2	64	
	<u>Carefully break/hack off existing brick wall and cart away to a site located by the contractor, and make good for new work, making good to receive paving etc.</u>			
2	Hack up/break down and remove existing brick wall and cart away to a site located by the contractor, etc.	m2	22	
	<u>Carefully take out and dismantle, dissolve and make good area to receive new paving (measured elsewhere)</u>			
3	Existing garden, trees, plants to be removed from site and relocated to a new area to be pointed by client/PA, leaving the area for new paving	m2	28	
	<u>Breaking brick wall, preparing for installation of nw windows, (measured elsewhere)</u>			
4	Breaking brick wall, making an opening for windows, making good to receive new windows (measured elsewhere)	m2	34	
	<b>Carried Forward</b>			
	Section No. 3 Bill No. 1 Alterations			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			
			R	



**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>			<b>R</b>
	<u>Roof Repair</u>		
5	Carefully Inspect for leakages/take out existing waterproofing and make good for new waterproofing (measured elsewhere).	m2	306
	<u>Taking out and removing damaged concrete pavement on drive-way, cart away to a site located by the contractor and make good to receive new pavement (measured elsewhere)</u>		
6	Take-out and remove damaged, cracked concrete paving to a site located by contractor, etc.	m2	320
	<u>Allow for cutting onto concrete and making good for joining of paving and concrete pavers, making seamless joining, etc.</u>		
7	Allow for concrete/paving cutting, making seamless joint for new paving (measured elsewhere)	m	78
	<u>Carefully taking out and removing damaged pavers on drive-way, cart away/set aside for re-use and/or to a site located by the contractor and make good to receive new pavement (measured elsewhere)</u>		
8	<u>Removing damaged pavers on drive-way, cart away/set aside for re-use and/or to a site located by the contractor and make good to receive new pavement (measured elsewhere)</u>	m2	420
	<u>Carefully taking out and removing damaged Steel grating on drive-way, cart away to a site located by the contractor and make good to receive new channel (measured elsewhere), filling of existing channel, preparing for the V-Channel construction, etc.</u>		
9	<u>Removing damaged steel grating on drive-way, cart away to a site located by the contractor and make good to receive new pavement (measured elsewhere)</u>	m	350
<b>Carried Forward</b>			<b>R</b>
Section No. 3 Bill No. 1 Alterations			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

## Storm-water, Sewer Pipe Rehabilitation and the Upgrade to the Exit/Entrance Gate at Rustenburg College

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**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 2</u></b></p> <p><b><u>EARTHWORKS</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Carting away of excavated material</u></b></p> <p>Descriptions of carting away of excavated material shall be deemed to include for bulking and loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</p> <p><b><u>Subterranean water</u></b></p> <p>No information regarding subterranean water is available. The tenderer must acquaint himself of the presence and depth of subterranean water and allow thereof in his prices.</p>			
	<p><b><u>SITE CLEARANCE ETC</u></b></p> <p><u>Site clearance</u></p>			
1	<p>Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc</p>	m2	36	
	<p><b><u>EXCAVATIONS</u></b></p>			
	<b>Carried Forward</b>		R	
	<p>Section No. 3 Bill No. 2 Earthworks</p> <p><b>By Botsang and Associates Consulting (PTY) Ltd</b></p>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

	<b>Brought Forward</b>			<b>R</b>
	<b><u>Excavation in compacted earth not exceeding 800mm deep in:</u></b>			
2	Holes, etc.	m3	14	
3	Trenches,	m3	2	
	<b><u>Extra over excavations other than bulk in earth for excavation in:</u></b>			
4	Soft rock.	m3	2	
5	Hard rock.	m3	5	
	<b><u>RISK OF COLLAPSE</u></b>			
	<b><u>Risk of collapse to:</u></b>			
6	Sides of trench and hole excavations not exceeding 2.0m deep.	m2	36	
	<b><u>CARTING AWAY</u></b>			
	<b><u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u></b>			
7	Off site to a dumping site to be located by the Contractor.	m3	16	
	<b><u>Selected imported G5/6/7 natural gravel in 150mm layers and spread, level, water and compact to 93% modified AASHTO density in 150mm thick layers:</u></b>			
8	Backfilling to trenches, holes, etc.	m3	30	
	<b><u>Compaction of surfaces</u></b>			
9	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 93% Mod AASHTO density	m2	36	
	<b>Carried Forward</b>			<b>R</b>
	Section No. 3			
	Bill No. 2			
	Earthworks			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

## Storm-water, Sewer Pipe Rehabilitation and the Upgrade to the Exit/Entrance Gate at Rustenburg College

Brought Forward			R
	<u>Prescribed density tests on filling</u>		
10	"Modified AASHTO Density" test	No	5
	<b><u>KEEP EXCAVATIONS FREE OF WATER</u></b>		
11	Allow for keeping excavations free of water.		Item
	<b><u>SOIL POISONING</u></b>		
	<b><u>Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:</u></b>		
12	Under floors, etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming.	m2	36
13	To bottom and sides of trenches, etc.	m2	30
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3 Bill No. 2 Earthworks			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 3</u></b>			
	<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>			
	<b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u></b>			
	<b><u>UNREINFORCED CONCRETE</u></b>			
	<b><u>15Mpa/19mm concrete</u></b>			
1	50mm Surface blinding under footings and bases	m3	1	
2	100mm Thick Apron around the building	m3	1	
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>			
	<b><u>25/30MPa/19mm Concrete in:</u></b>			
3	Strip Foundation, Holes, etc.	m3	4	
4	Concrete Columns, Roof slab, etc.	m3	3	
5	In surfacebed, etc.	m3	1	
	<b><u>TEST BLOCKS</u></b>			
	<b><u>Test Blocks:</u></b>			
6	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes.	Sets	5	
	<b><u>CONCRETE SUNDRIES</u></b>			
	<b>Carried Forward</b>		R	
	Section No. 3 Bill No. 3 Concrete, Formwork and Reinforcement			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Brought Forward			R
<b><u>Finishing top surfaces of concrete smooth with a wood/power float:</u></b>			
7	Surface beds, slabs, etc. in narrow widths.	m2	6
<b><u>SMOOTH FORMWORK</u></b>			
<b><u>Degree of Accuracy 2</u></b>			
8	To stub columns, 300mm diameter, 755mm high	No	3
<b><u>Degree of Accuracy 2 to circular columns</u></b>			
9	To columns exceeding 5m but not exceeding 6.5m high	No	3
<b><u>REINFORCEMENT</u></b>			
<b><u>Mild / High tensile steel reinforcement to structural concrete work</u></b>			
10	Diameter in Varying Diameter bars	t	0.96
<b><u>Fabric reinforcement with minimum 400mm wide overlaps:</u></b>			
11	Type 193/245 Fabric reinforcement in concrete surface beds, slabs, etc.	m2	8
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3			
Bill No. 3			
Concrete, Formwork and Reinforcement			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 4</u></b>			
	<b><u>MASONRY</u></b>			
	<b><u>PREAMBLES</u></b>			
	<b>NOTE:</b>			
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)			
	<b><u>BRICKWORK IN FOUNDATION, etc.</u></b>			
	<b><u>Ordinary brickwork</u></b>			
	<u>Brickwork in 73mm burnt clay masonry units class NFP in Class II mortar laid in stretcher bond with 10mm flush joints and prepared to take plaster</u>			
1	One-brick wall	m2	5	
	<b><u>Reinforcement to brickwork</u></b>			
2	Brick reinforcing fabric 150mm wide	m	25	
	<b><u>SUPERSTRUCTURE BRICKWORK</u></b>			
	<b><u>Brickwork of NFP brick in class II mortar</u></b>			
3	One-brick wall	m2	22	
	<b><u>SUNDRIES</u></b>			
	<b><u>Brickwork reinforcement:</u></b>			
4	150mm Wide reinforcement built in horizontally.	m	110	
	<b>Carried Forward</b>			
	Section No. 3			
	Bill No. 4			
	Masonry			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			
			R	



**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Brought Forward			R
<b><u>FACE BRICKWORK</u></b>			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
<b><u>30-40Mpa FBX or similar approved clay face bricks with PC sum amount of R 3 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with flush vertical and flush horizontal joints, suitable for exposure zones 1-2</u></b>			
Extra over brickwork for face brickwork in foundations (Provisional)	m2	18	
Extra over Ordinary brickwork for face brickwork	m2	22	
Extra over ordinary face-brick work for brick-on-edge header course band	m	2	
Extra over ordinary face-brick work for brick-on-edge header course lintel	m	2	
<b><u>SUNDRIES</u></b>			
<b><u>FACE BRICKWORK</u></b>			
<b><u>30-40Mpa FBX or similar approved clay face bricks with PC sum amount of R 3 500.00 per thousand bricks delivered to site (excluding VAT) manufactured in accordance with SANS 227-2007, bedded and jointed in Class II mortar and pointed with flush vertical and flush horizontal joints, suitable for exposure zones 1-2</u></b>			
Extra over ordinary face-brick work for face brickwork.	m2	22	
Carried Forward to Summary of Section No. 3			R
Section No. 3 Bill No. 4 Masonry			
By Botsang and Associates Consulting (PTY) Ltd			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 5</u></b>			
	<b><u>WATERPROOFING</u></b>			
	<b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Waterproofing</u></b>			
	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.			
	<b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b>			
	<b><u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp-proof course:</u></b>			
1	In walls, under cills, etc.	m2	6	
	<b><u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape":</u></b>			
2	Under surface beds.	m2	8	
	<b><u>SLAB WATERPROOFING</u></b>			
	The Contractor shall allow in his rates for testing the waterproofing for water tightness by ponding the waterproofed surfaces for a period of at least 48 hours before application of a protective layer.			
	<b>Carried Forward</b>			R
	Section No. 3 Bill No. 5 Waterproofing			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

Brought Forward		R
<b><u>4mm Thick "Derbigum SP" or rubberised bitumen membrane with torch-on-bitumen on fully bonded waterproofing guaranteed to remain watertight for a period of ten years on, or similar approved per the engineer's spec.:</u></b>		
Concrete slab, beams and sides of parapets including dressing into outlets, turn-ups, etc.	m2	186
<b><u>JOINT SEALANTS, ETC.</u></b>		
<b><u>Prepare and apply two coats bitumen foam plastic joint sealing strip:</u></b>		
25 x 20mm In joints between frames and walls.	m	8
Carried Forward to Summary of Section No. 3		R
Section No. 3		
Bill No. 5		
Waterproofing		
By Botsang and Associates Consulting (PTY) Ltd		

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 6</u></b>			
	<b><u>ROOF COVERINGS, ETC.</u></b>			
	<b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u></b>			
	<b><u>ROOF SHEETING</u></b>			
	<u>0.8/0.6mm Brown built steel roof sheets, with Global coat (Chromadek) finish both sides, colour: to match existing (main campus), or similar approved (to be confirmed by Engineer/Architect) with concealed fixing to steel purlins and rafters</u>			
1	Roof sheeting pitch not exceeding 10 degrees to be confirmed on site (by engineer)	m2	141	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Fibreglass reinforced aluminium foil faced resin bonded glass fibre flexible building insulation:</u>			
2	Insulation laid over purlins (at approximately 1600mm centres) and fixed concurrent with roof covering including galvanised steel straining wires or similar approved (to be confirmed by engineer)	m2	141	
	<b>Carried Forward to Summary of Section No. 3</b>			
	Section No. 3			
	Bill No. 6			
	Roof Coverings, Etc.			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 7</u></b>			
	<b><u>CARPENTRY AND JOINERY</u></b>			
	<u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>DOORS, WINDOWS, SASHES, ETC.</u></b>			
	<u>Solid flush doors:</u>			
	<u>Solid flush doors with commercial veneer on both sides hung on steel frames suitable for 220mm thick wall (frames elsewhere):</u>			
1	Standard 44mm thick solid core flush panel door with marine polywood veneer on both sides prepared for painting	No	1	
	<b><u>SKIRTINGS</u></b>			
2	19 x 76mm High wrot meranti skirting including 19mm quarter round plugged to plastered walls at 500mm centres.	m	18	
	<b>Carried Forward to Summary of Section No. 3</b>		R	
	Section No. 3			
	Bill No. 7			
	Carpentry and Joinery			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Unit	Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 8</u></b>				
	<b><u>STRUCTURAL STEELWORK</u></b>				
	<b><u>NOTES:</u></b>				
	Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)				
	<b><u>Mass:</u></b> The mass of all structural steelwork includes for all caps, bases and connections; is calculated nett in accordance with the mass lists of the South African Institute of Steel Construction wherein no allowance is made for rolling margins, rivets, black bolts, nuts, washers, distance pieces, packing, additional material in welding, decorative or protective treatments, nor for constructional aids, binding wire and waste. If the mass of any steel actually used exceeds the mass in the above mentioned lists this additional mass shall be entirely to the contractor's account and the masses to be used on this contract will be strictly in accordance with these lists.				
	The contractor shall check all dimensions on site as he shall be held solely responsible for work manufactured to incorrect sizes.				
	Structural steel shall be Grade 43, and where welding is stipulated this shall be 6mm continuous fillet welds.				
	The contractor shall submit his 'Shop Drawings' to the engineer in duplicate and must receive written approval thereof before commencing with the work.				
	All structural steelwork is to be mechanically wire brushed and primed with one coat of grade 1 Red Lead Primer to a dry film thickness of minimum 30 microns. After erection all damaged areas shall be wire brushed and patch primed.				
	<b><u>ROOF STRUCTURE</u></b>				
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 8 Structural Steelwork				
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>				

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Brought Forward			R
<b><u>The following steel columns, rafters and beams in frames hoisted and bolted together in position approximately 9,500m above finished floor level. members with welded plates and angle sections in connections:</u></b>			
1	305 x 165 x 40kg/m UB Rafter	t 1.5	
2	254 x 146 x 31kg/m UB Rafter	t 0.5	
3	IPE 200 x 90 PFC False Rafter	t 0.8	
4	150 x 65 x 20 x 2,0 CF lipped channel in purlin.	t 0.1	
<b><u>BOLTS, etc.</u></b>			
<b><u>Holding down bolts:</u></b>			
5	Provide the Provisional Amount of R 60 000.00 (Sixty Thousand rands) for bolts, fasteners, etc.	Item	60 000.00
<b><u>Ancillary members:</u></b>			
6	70 x 70 x 6L X - Bracing	t 0.90	
7	165.1 x 3.5 CHS eaves tie	t 0.60	
8	100 x 4,0 CHS eaves tie	t 0.40	
<b><u>Sundries:</u></b>			
9	Dry pack grouting 25mm thick under steel base plate to top of column size 400 x 300mm.	No 2	
10	Box in formwork to form pocket size 200 x 50 x 100mm deep on top of concrete wall beam.	No 2	
<b><u>PAINTING</u></b>			
<b><u>Prepare and apply one coat universal undercoat and two coats high gloss enamel paint to:</u></b>			
11	Surfaces of structural steel.	m2 36	
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3			
Bill No. 8			
Structural Steelwork			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 9</u></b>			
	<b><u>PLASTERING</u></b>			
	<b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u></b>			
	<b><u>GRANOLITHIC</u></b>			
	<b><u>Untinted granolithic on concrete</u></b>			
1	30mm Thick on floors to falls.	m2	6	
	<b><u>SCREEDS</u></b>			
	<b><u>Screeds on concrete:</u></b>			
2	30mm thick on floors to receive waterproofing	m2	38	
	<b><u>INTERNAL PLASTER</u></b>			
	<b><u>One coat cement plaster minimum 15mm thick (5:1) wood floated to receive tiles (elsewhere) including all labours on:</u></b>			
3	On wall	m2	35	
4	Narrow widths, not exceeding 300mm wide	m2	8	
	<b>Carried Forward to Summary of Section No. 3</b>		R	
	Section No. 3			
	Bill No. 9			
	Plastering			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			



**BILL NO. 10**

## TILING

## WALL TILING

**600mm x 300mm x 6mm Thick glazed ceramic wall tiles (P.C. allowance of R 100/m<sup>2</sup> excludes V.A.T. but includes delivery to site), and add for waste, laying, fixing with an approved adhesive and jointing and pointing in 'Tal' grout to:**

1	On walls.	m2	18
2	In narrow widths.	m2	9
3	On splashbacks.	m2	6

## FLOOR TILING

**Allow a Prime Cost Amount of R 100/m2 for non-slip scratch resistant porcelain/ceramic floor tiles size 300 x 300mm fixed with an approved adhesive on plaster bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound:**

4	On floors.	m2	6
5	In narrow widths.	m2	3

**SOAP DISHES, ETC.**

**Carried Forward**

Section No. 3  
Bill No. 10  
Tiling

**By Botsang and Associates Consulting (PTY) Ltd**

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>				R
<b><u>White ceramic:</u></b>				
6	180 x 180 x 120mm Toilet roll holder with spring loaded roller and building into tiled or plastered wall including forming recess in brickwork and making good.	No	1	
<b><u>ALUMINIUM AND PVC TRIMS, ETC.</u></b>				
7	`Genesis ESA 150' natural anodised aluminium straight edge protector 12mm high at junction of differing floor finishes, plugged and screwed	m	2	
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3				
Bill No. 10				
Tiling				
<b>By Botsang and Associates Consulting (PTY) Ltd</b>				

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No			Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>				
	<b><u>BILL NO. 11</u></b>				
	<b><u>PLUMBING AND DRAINAGE</u></b>				
	<b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in these Bills of Quantities.</u></b>				
	<b><u>"Fullbore" cast iron outlets including joint to uPVC pipes, adaptors, etc.:</u></b>				
1	150mm Diameter side type outlet with domical grating, jointed to uPVC pipe and set in top of concrete slab.	No	2		
	<b><u>SANITARY FITTINGS</u></b>				
	<b><u>White vitreous china:</u></b>				
2	"Vaal Flamingo" close coupled 90° outlet open rim wash-down pan and matching 6 litre dual flush cistern complete with flushing pipe, flushing mechanism and heavy duty white double flap seat, fixing in position and connecting complete, or similar	No	1		
3	"Vaal Flamingo" two tap hole wash hand basin complete with chromium plated waste union, chain and stay, vulcanite plugs and fixing in position on and including two semi-concealed cast iron brackets including sealing with an approved waterproof sealer and connecting complete, or similar	No	1		
	<b><u>WASTE UNIONS ETC</u></b>				
4	32mm Basin waste union	No	1		
	<b><u>TRAPS, ETC.</u></b>				
	<b><u>"Cobra Watertech"</u></b>				
5	40mm 340 CP bottle trap	No	1		
	<b>Carried Forward</b>			R	
	Section No. 3 Bill No. 11 Plumbing and Drainage				
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>				

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

	<b>Brought Forward</b>			R
	<b><u>TAPS, VALVES, ETC.</u></b>			
	<b><u>"Cobra Watertech"</u></b>			
6	15mm Lever ballcock	No	1	
7	22mm Lever ballcock	No	1	
	<b><u>SOIL AND WASTE WATER DRAINAGE</u></b>			
	<b><u>uPVC soil and waste piping with seal ring joints in accordance with SABS 967 fixed to walls, concrete soffits, etc.:</u></b>			
8	50mm Diameter pipe.	m	36	
9	110mm Diameter pipe.	m	5	
	<b><u>Extra over uPVC pipes for fittings:</u></b>			
10	50mm Bend.	No	2	
11	50mm Junction.	No	2	
12	110mm Bend.	No	2	
13	110mm Bend with inspection eye.	No	1	
14	110mm Junction with inspection eye.	No	1	
15	110 x 50mm Reducer.	No	1	
16	110 x 50mm Reducing junction.	No	1	
	<b><u>FIRE APPLIANCES ETC</u></b>			
	<b><u>"Chubb"</u></b>			
17	9kg Dry chemical powder fire extiquisher	No	1	
	<b><u>HOLES, ETC.</u></b>			
	<b>Carried Forward</b>			R
	Section No. 3			
	Bill No. 11			
	Plumbing and Drainage			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

## Storm-water, Sewer Pipe Rehabilitation and the Upgrade to the Exit/Entrance Gate at Rustenburg College

Brought Forward			R
<b><u>Core drilling of hole for pipe exceeding 50mm and not exceeding 100mm diameter</u></b>			
18	200mm Reinforced concrete slab, beam, wall, etc	No	2
<b><u>TESTING</u></b>			
19	Provide all necessary apparatus, water, etc. and allow for testing the whole of the plumbing and drainage work in Parts and Sections as completed and/or handed over to the satisfaction of the Architect and Local Authorities. All defective work is to be taken out and replaced at the Contractor's expense and the whole retested until found perfect.	Item	
Carried Forward to Summary of Section No. 3			R
Section No. 3 Bill No. 11 Plumbing and Drainage			
By Botsang and Associates Consulting (PTY) Ltd			

Quantity**Rate**Amount

**BILL NO. 12**

## PAINTWORK

## PLASTER

**PAINTWORK, ETC TO NEW WORK ON**

## FLOATED PLASTER SURFACES WITH

1 | Internal walls

m2

35

2	<u>Narrow widths, not exceeding 300mm wide</u>
---	------------------------------------------------

m2

8

**METAL**

3 | Door frames.

m2

6

4	Grilles, gates, etc. (both sides measured).
---	---------------------------------------------

m2

10

**WOOD**

**Carried Forward**

R

Section No. 3  
Bill No. 12  
Paintwork

**By Botsang and Associates Consulting (PTY) Ltd**

## Storm-water, Sewer Pipe Rehabilitation and the Upgrade to the Exit/Entrance Gate at Rustenburg College

Brought Forward			R
<u>Prepare and apply one coat "undercoat", two coat "Velvagro" all paint to be as per manufacturer's specification:</u>			
5	General surfaces of doors.	m2	12
6	Skirtings, rails, etc in narrow girths.	m	78
<p>Carried Forward to Summary of Section No. 3</p> <p>Section No. 3 Bill No. 12 Paintwork</p> <p>By Botsang and Associates Consulting (PTY) Ltd</p>			R

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 13</u></b>			
	<b><u>EXTERNAL WORKS (PROVISIONAL)</u></b>			
	<b><u>ROADS AND PAVING</u></b>			
	<b><u>LAYER WORK</u></b>			
	<b><u>Excavation, Filling, etc</u></b>			
	<u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site compacted in 150mm layers</u>			
1	Selected lower layer under roads, rip and re-compacted to 90% Mod AASHTO density	m3	85	
2	Selected lower layer under walkways, rip and re- compacted to 98% Mod AASHTO density	m3	20	
	<b><u>Extra over all excavations for carting away</u></b>			
3	Surplus material from excavation and/or stock piles on site to a dumping site to be located by the contractor	m3	105	
	<b><u>Extra over bulk excavations in earth for excavation in</u></b>			
4	Soft rock	m3	15	
5	Hard rock	m3	30	
	<u>Earth filling material supplied by the contractor under walkways, parking areas, roadways, etc compacted in 150mm layers</u>			
6	Selected upper layer G7 gravel-soil material compacted to 93% Mod AASHTO density	m3	85	
7	Over site sub-base course of 150mm G5 imported material selected gravel compaction to 95% Mod AASHTO density	m3	85	
	<b>Carried Forward</b>			
	Section No. 3			
	Bill No. 13			
	External works			
	<b>By Botsang and Associates Consulting (PTY) Ltd</b>			



**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>			<b>R</b>	
8	Course of G5 natural gravel material under walkways, compacted to 95% Mod AASHTO density	m3	20	
	<b><u>Compaction of surfaces</u></b>			
9	Compaction of ground surface under pavings, etc including scarifying for a depth of 150mm, breaking down oversize material , adding suitable material where necessary and compacting to 93% MOD AASHTO density	m2	650	
	<b><u>Insectised Protection (Termite Proofing)</u></b>			
	<b><u>Soil weed killers under a 10 year guarantee by firm of specialist , mixed and applied strictly in accordance with the manufacturers instructions under paving:</u></b>			
10	Under paving, etc	m2	650	
	<b><u>Prescribed density tests on filling</u></b>			
11	Allow the amount of R 3 000.00 (Three Thousand Rand) for tests as prescribed by the Engineer and to his approval		Item	3 000.00
	<b><u>PAVING</u></b>			
	<b><u>Paving of double zig-zag (shape S-A) interlocking pre-cast concrete paving blocks complying with SANS 1058, with butt joints on 20mm thick river sand bed with sand swept into joints, including preparation of ground or filling</u></b>			
12	Supply and place 60 mm thick type S-A concrete paving blocks on 20mm thick river sand bed with sand swept into joints including preparation of ground or filling, etc .	m2	120	
13	Supply and place 60mm thick blocks to pedestrian ramp to falls including edge blocks type S-A concrete paving blocks on 20mm thick river sand bed with sand swept into joints including preparation of ground or filling, etc .	m2	6	
14	Allow for cutting of concrete blocks	m	168.00	
<b>Carried Forward</b>			<b>R</b>	
Section No. 3 Bill No. 13 External works				
<b>By Botsang and Associates Consulting (PTY) Ltd</b>				

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>			R
<u>Coarse river sand filling supplied by the contractor</u>			
15	Under walkways, roads and parking areas, etc	m2	650
<b><u>ROAD MARKINGS</u></b>			
<b><u>Etching primer and two coats reflective road marking paint on concrete paving</u></b>			
<u>White lines (broken or unbroken)</u>			
16	Lines 100 mm wide	m	20.00
17	Painted traffic arrow sign 1 500 x 500 mm wide extreme	No	6.00
18	Painted disabled parking sign 1 500 x 500 mm wide extreme	No	1.00
19	Standard "STOP" sign	No	1.00
<b><u>PRE CAST CONCRETE KERBING:</u></b>			
<u>Pre cast concrete finished smooth on exposed surfaces including bedding, jointing and pointing</u>			
20	Kerb (SABS 927 fig 3) 150 x 300mm high with 150 x 40mm thick 1:6 cement mortar bed and 300 x 200 x 200mm overall 19MPa/19mm unreinforced concrete haunching at back of each joint including excavation, backfilling, etc	m	29
21	Kerb (SABS 927 fig 3) 150 x 300mm high with 150 x 40mm thick 1:6 cement mortar bed and 300 x 200 x 200mm overall 19MPa/19mm unreinforced concrete haunching at back of each joint circular on plan exceeding 4m radius formed with short lengths of straight kerb including excavation, backfilling, etc including excavation, backfilling, etc	m	22
22	Kerb (SABS 927 fig 8c) 300 x 200mm high with 300 x 40mm thick 1:6 cement mortar bed and 200 x 200 x 100mm overall 19MPa/19mm unreinforced concrete haunching at back of each joint including excavation, backfilling, etc	m	25
<b>Carried Forward</b>			R
Section No. 3			
Bill No. 13			
External works			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>			<b>R</b>
23	Kerb (SABS 927 fig 12) 75 x 150mm high with 75 x 40mm thick 1:6 cement mortar bed and 100 x 90 x 90mm overall 19MPa/19mm unreinforced concrete haunching at back of each joint circular on plan exceeding 4m radius formed with short lengths of straight kerb including excavation, backfilling, etc	m	20
	<u>25MPa/19 unreinforced concrete in V-Drain finished smooth on exposed surfaces including bedding, jointing and pointing</u>		
24	300 x 550mm V-shaped overall insitu concrete V-Drain including excavation, backfilling, form work, etc	m	350
	<b><u>MOVEMENT JOINTS, ETC</u></b>		
	<u>Expansion joints with 10mm bitumen impregnated soft board through concrete paving, kerb gutter, etc</u>		
25	V-Drain as per drawing V201082-RD1 exceeding 300mm wide or high	m	25.00
	<u>Horizontal joggle construction joints through concrete, including thick cement slurry to one face</u>		
26	V-Drain exceeding 300mm wide or high	m	7
	<u>Two-part grey poly sulphide sealing compound, including backing cord, bond breaker, primer, etc</u>		
27	10 x 30mm In expansion joints, including raking out expansion joint filler as necessary	m	9
	<b><u>Concrete</u></b>		
28	Concrete edge beam of 20Mpa/19mm cast against excavated surfaces, etc.	m	146
	<b><u>GATES</u></b>		
	<u>Supply and install 1.1m x 2.4m high security gate Type 'B' including corrosion protection (galvanising), gate posts, struts, to match above fence, padlock, etc. Also refer specification per the Architect</u>		
29	Single Gate	No	2
<b>Carried Forward</b>			<b>R</b>
Section No. 3 Bill No. 13 External works			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

<b>Brought Forward</b>			R
30	Manual/Electric Operated Double Gate, size to be confirmed on site, spec per the Architect/engineer	No	4
<b><u>ALLOW THE FOLLOWING PROVISIONAL SUMS</u></b>			
<b><u>SEWER RETICULATION</u></b>			
31	Provide the amount of R 100,000.00 (One Hundred Thousand Rand) for the sewer reticulation, connecting to the existing for the new ablution area for the security, design and spec. to be issued upon appointment, installed complete.	Item	100 000.00
32	Profit on above item	Item	
33	Attendance on ditto.	Item	
<b><u>WATER RETICULATION (PROVISIONAL)</u></b>			
34	Provide the amount of R 60,000.00 (Sixty Thousand Rand) for water reticulation, connecting to the existing for the new ablution area for the security area design and spec. to be issued upon appointment, installed complete.	Item	60 000.00
35	Profit on above item.	Item	
36	Attendance on ditto.	Item	
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3			
Bill No. 13			
External works			
<b>By Botsang and Associates Consulting (PTY) Ltd</b>			

## Storm-water, Sewer Pipe Rehabilitation and the Upgrade to the Exit/Entrance Gate at Rustenburg College

SECTION SUMMARY - Extension to the Entry/Exit Gate at the Rustenburg G			
Bill No		Page No	Amount
1	Alterations	19	
2	Earthworks	22	
3	Concrete, Formwork and Reinforcement	24	
4	Masonry	26	
5	Waterproofing	28	
6	Roof Coverings, Etc.	29	
7	Carpentry and Joinery	30	
8	Structural Steelwork	32	
9	Plastering	33	
10	Tiling	35	
11	Plumbing and Drainage	38	
12	Paintwork	40	
13	External works	45	
Carried to Final Summary			R
Section No. 3			
By Botsang and Associates Consulting (PTY) Ltd			

**Storm-water, Sewer Pipe Rehabilitation and the Upgrade to  
the Exit/Entrance Gate at Rustenburg College**

Section No	<u><b>FINAL SUMMARY</b></u>	Page No	<b>Amount</b>
1	Preliminaries and General	2	
2	Storm-water, Sewer Pipe Rehabilitation	16	
3	Extension to the Entry/Exit Gate at the Rustenburg Guardhouse	46	
	Sub-total		R
	<u><b>CONTINGENCIES</b></u>		
	Allow Ten Percent (10%) on the sub-total above for Contingencies to be used at the discretion of the Principal Agent and to be deducted in whole or in part if not required		R
	Sub-total		R
	Value Added Tax (15%)		R
	TOTAL TO TENDER		R
	Carried to Form of Tender		R
	By Botsang and Associates Consulting (PTY) Ltd		



**Bid Number: R04/2020**

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

## **Part C3.1 Scope of Work**

### **1 DESCRIPTION OF THE WORKS**

#### **1,1 Employer's objectives**

The ORBIT TVET COLLEGE, Corporate Centre, Security Gate (Office) invites qualified and experienced Contractors for the re-routing and upgrading of the stormwater, sewer drainage system and the upgrading of the entrance/exist gate at the security office at the Rustenburg TVET College Campus

The employer's objectives are to deliver the upgraded stormwater, sewer infrastructure/drainage system using labour-intensive methods in accordance with EPWP Guidelines, however this should be agreed and determined by the client together with the PM and the contractor to be instructed accordingly.

#### **1,2 Overview of the works**

The works are re-routing, rehabilitation and upgrading of the Stormwater, sewer drainage system and the upgrade of the entrance/exist gate and the repairs to the roofing at the security office at the Rustenburg TVET College Campus. (Building, Civil works entail upgrading and improving the stormwater, sewer drainage and road and paving improvement at the entrance/exit gate and the roofing repairs at the security office.

#### **1,3 Labour-intensive works**

Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work. Labour-intensive works comprise the activities such as those described in SANS 1921-5, Earthworks activities which are to be performed by hand, and its associated specification data. Such works shall be constructed using local workers who are temporarily employed in terms of this Scope of Work - TBA

#### **1,4 Labour-intensive Competencies of supervisory and management staff**

Contractors shall only engage supervisory and management staff in labour-intensive works that have completed the skills programme including Foremen/ Supervisors at NQF level 4 "National Certificate: Supervisor of Civil Engineering Construction Processes" and Site Agent/Manager at NQF level 5 "Manage Labour-Intensive Construction Processes" or equivalent QCTO qualifications (See Appendix C) at NQF outlined Table 1

#### **1,5 Extent of the works**

The works are re-routing and upgrading of the Civil works entailing upgrading and improving the stormwater, sewer drainage and upgrading of the entrance gate's roads and paving.

## 1,6 Location of the works

The site is located at Rustenburg TVET College at the corner of Fatima Bhayat and Bosch Street, in the Northwest, Rustenburg all the works per the attached site map

## 1,7 Temporary works

The Contractor is required to provide all temporary works that are necessary for the works.

## 2 ENGINEERING

### 2,1 Design services

### 2,2 Employer's design

The Employer is responsible for the design of the permanent works unless otherwise stated. The Contractor is responsible for the design of the temporary works and their compatibility with the permanent works.

### 2,3 Design brief

The Contractor shall supply all details necessary to assist the project manager in the compilation of the as-built drawings.

As-built drawings to indicate the following information:

- Construction breaks and the extent of individual concrete pours
- Routing of and junctions in all services
- Salient features for the operation and maintenance of services

and to be submitted to the following employer's required format and manner:

- A paper copy complete with approval signatures of the agent/agents bound into the operating instruction manuals
- Tiff format scanned versions of the approved paper copy
- Electronic version of approved drawings on CD in either Caddie.drw or Autocad.dwg formats

### 2,4 Drawings

The following drawings are applicable to the contract .

#### Civil

Title	Drawing Number
STORMWATER SITE LAYOUT STORMWATER LAYOUT TYPICAL CROSS SECTION BEDDING DETAILS	

#### Building

Title	Drawing Number
ENTRANCE GATE ARCHITECTURAL LAYOUT STRUCTURAL LAYOUT CIVIL LAYOUT BEDDING DETAILS	



## 2,5 Design procedures

The design is done by the client who takes the responsibility and contractor involved at construction only.

## 3 PROCUREMENT

### 3,1 Preferential procurement deliverables

Where the contractor claims a preference in the Preferencing Schedule for subcontracting work to CIDB registered contractors having specified CIDB contractor grading designations, the contractor shall deliver deliverable C1, Provide business opportunities for targeted enterprise, in accordance with the requirements of the CIDB Specification for Social and Economic Deliverables in Construction Works Contracts (SSED) (see [www.cidb.org.za](http://www.cidb.org.za)) and the following associated specification data associated with SANS 1914-1 which shall have precedence in the interpretation of any ambiguity or inconsistency:

<b>Deliverable C1: Provide business opportunities for targeted enterprises</b>	
2,7	The employer's representative is the Project Manager identified in the Letter of intent.
2,17	A targeted enterprise is a CIDB registered contractor who has a contractor grading designation of 1, 2, 3 or 4.
	The targeting strategy is A.
	The contract participation goal is as tendered in the Preferencing Schedule for which a preference was granted.
	The contract participation goal may only be achieved by subcontracting work to one or more targeted enterprises to perform commercially useful functions in the performance of the contract.
	The targeted enterprise declaration and letters of undertaking are to be submitted within 3 weeks of the commencement of the contract.

The Employer reserves the right to subcontract up to 30% of the works where deemed necessary.

### 3,2 Provide employment and skills development opportunities to targeted labour

The contractor shall deliver Deliverable B1, provide employment and skills development opportunities to targeted labour, in accordance with the requirements of the CIDB Specification for Social and Economic Deliverables in Construction Works Contracts (SSED) (see [www.cidb.org.za](http://www.cidb.org.za)) and the following associated specification data, which shall have precedence in the interpretation of any ambiguity or inconsistency:

<b>Deliverable B1: Provide employment and skills development opportunities to targeted labour</b>	
4.3.1.1	<p>The following activities are to be carried out by temporarily employed local workers:</p> <ul style="list-style-type: none"> <li>earthworks activities which are to be performed by hand, namely; trench excavation, compaction of backfilling to trenches in areas not subject to traffic, clearing and grubbing, shaping, loading, haul, off-loading, spreading, compaction and grassing, stormwater drainage</li> </ul>
4.3.2.1.2	The rate of pay is R TBA per day.
The specification data associated with SANS 1921-5 is as follows:	
	<p><b>Essential data</b></p> <p>5.1 The depth of trenches which are to be excavated by hand is 1.5m (Specifications attached)</p>
	<p><b>Variations</b></p> <p>.....</p> <p>Hauling distance not to exceed 2150m</p> <p><b>Additional clauses</b></p> <p>.....</p>

The Schedule which is to be attached to payment claims in terms of clause 4.3.2.2.8 of SSED is as shown in Sample B1 of the Specification.

### 3.2.1 Unemployment Insurance Fund

The contractor will be responsible for payment or contribution of UIF for all labour employed under the project. Proof of payment of UIF shall be available upon request.

### 3.2.2 Workmen's Compensation Act

All labour employed on the site shall be covered by the Workmen's Compensation Act. The contractor shall pay in full, including the payment of the necessary levies, such amounts, as are due in terms of the Act. The contractor at the commencement of the contract shall resolve the manner in which Workmen's Compensation will be handled. Amounts paid by the contractor shall not be included in the wage rates but shall be an extra payment allowed for by the contractor.

## 3.3 Participation goals

**3.3.1** The successful tenderer will be required to subcontract a minimum of 30% of the contract to exempted micro enterprises (EME's) and/or qualifying small business enterprises (QSE's) in accordance with the preferential Procurement Regulations, 2017 published on 20 January 2017

**3.3.2** Employ/contractor reserves the right to employ a minimum of 30% of the total labour requirement of the contract from the local community. This should happen upon consultation with the appointed contractor

**3.3.3** The total labour requirements of the contract should be in the following proportions:

- a minimum of 55% to women;
- a minimum of 55% to youth who are between the ages of 18 and 35 years of age; and
- a minimum of 2% to persons with disabilities

**3.3.4** The minimum threshold for local production and content for Electrical and Telecom Cables is 90%

**3.3.5** Planned labour intensity is 15%

## 4 CONSTRUCTION

### 4.1 Works specification

The works specifications that are applicable to the works are marked with a cross hereunder in the relevant box(es). The specifications are obtainable on request from the Employer.

Architectural, Structural and Civil

x	TBA
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GP/ASC

#### 4.1.1 Applicable SANS 2001 standards

The Contractor shall ensure that a master installation electrician is required to oversee and certify any electrical work to the works.

#### 4.1.2 Applicable national and international standards

N/A

#### 4.1.3 Particular / generic specifications

Model preambles for trades and all other acceptable generic specifications

#### 4.1.4 Certification by recognised bodies

N/A

#### 4.1.5 Agreement certificates

N/A

## **4.2 Plant and materials**

### **4.2.1 Plant and materials supplied by the employer**

N/A

### **4.2.2 Materials, samples and shop drawings**

#### *Samples of materials*

The contractor shall furnish samples of materials and specimens of finishes as may be called for by the supervisor for his approval

#### *Workmanship samples*

The supervisor may instruct the contractor to furnish samples of workmanship for his approval. Where the supervisor requires an assembly of various elements of the building or installation which is not incorporated in the works, the contractor shall arrange such an assembly at the employer's expense and the contract value shall be adjusted accordingly

#### *Shop drawings*

Only shop drawings and samples submitted for approval by the contractor shall be considered by the supervisor. The supervisor's approval of shop drawings or samples shall be limited to checking for general conformity with design and specification and shall not alter the design responsibilities in terms of the agreement. Where shop drawings are called for:

The contractor shall:

- Prepare, or ensure that a subcontractor, manufacturer, supplier or distributor prepares shop drawings at their own expense
- Submit sufficient copies of shop drawings to the supervisor for approval
- Allow the supervisor reasonable time to approve shop drawings
- Keep a record of all shop drawings submitted to the supervisor
- Ensure that shop drawings conform to the dimensions of built work
- Submit sufficient copies of the approved shop drawings to the supervisor for his use and for use on the works
- Ensure that work is not executed from shop drawings that have not been approved by the supervisor

The supervisor shall:

- Check the shop drawings submitted by the contractor timeously
- Advise the contractor where shop drawings are approved or are to be resubmitted

### **4.2.3 Instruction manuals and guarantees**

The Contractor shall hand over to the project manager any operating and instruction manuals, data, product guarantees or instructions required by the project manager or provided by the manufacturers, suppliers or subcontractors

Operating and instruction manuals are to be submitted to the following employer's required format and manner:

- One master manual which contains all original certificates
- Three copies of the master manual

### **4.2.4 Training staff of the employer**

The Contractor shall train all relevant staff of the employer in the safe operating procedures of the starting up, maintaining and shutting down of equipment supplied, all to the approval of the project manager.

### **4,3 Construction equipment**

#### **4.3.1 Requirements for equipment**

To be in accordance with the Works Specification.

#### **4.3.2 Equipment provided by the employer**

Contractor to provide all necessary plant required for the proper execution of the works. Contractor's Equipment shall comply with statutory regulations. The pricing for all equipment required to complete the works shall be deemed to be included in all submitted offers.

### **4,4 Existing services**

#### **4.4.1 Known services**

The contractor shall acquaint himself with the location of all sewer, water, stormwater on site

#### **4.4.2 Dimensional accuracy**

The contractor shall within 1 weeks of the access date check the existing levels, lines, profiles and the like affecting the works and satisfy himself as to the dimensional accuracy of work previously executed. The contractor shall forthwith notify the supervisor

#### **4.4.3 Treatment of existing services**

The Contractor shall detect and relocate some of the existing services to allow for the construction of new buildings as per the supervisor's direction.

#### **4.4.4 Use of detection equipment for the location of underground services**

The Contractor shall provide for detection equipment for the location of underground services

#### **4.4.5 Damage to services**

Contractor to take every precaution so as to avoid damage to existing services.

#### **4.4.6 Reinstatement of services and structures damaged during construction**

Contractor to reinstate all damaged services.

### **4,5 Site establishment**

#### **4.5.1 Services and facilities provided by the employer**

N/A

#### **4.5.2 Facilities provided by the contractor**

The Contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the project manager and supervisor, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, table and eight chairs. The office shall be kept clean and fit for use at all times. The site for these facilities shall be as directed by the Project manager.

#### **4.5.3 Storage and laboratory facilities**

The Contractor shall provide, maintain and remove on completion of the works sheds for the proper storage of materials and for use by the contractor's workers. The site for these facilities shall be as directed by the Project manager.

#### **4.5.4 Other facilities and services**

##### **Water and Electricity**

The Employer does not warrant that any water or electricity supply that may exist is adequate for the proper execution of the works. Where such supply is inadequate, the contractor shall provide an adequate supply at his own expense

##### *Service - Water*

The Contractor is to provide and remove and make good upon completion all the necessary temporary plumbing connections and purchase water from the local authority for the works at his own cost.

The Contractor shall make and upon completion remove all the necessary temporary plumbing connections and water meters to the Employer's water supply at designated points and be responsible for costs associated with all water consumption.

##### *Service - Electricity*

The Contractor is to provide and remove and make good upon completion all the necessary temporary electrical connections and installations and purchase electricity from the local authority for the works at his own cost.

The Contractor shall make and upon completion remove all the necessary installation and meters to the Employer's electrical supply at designated points and be responsible for costs associated with all electricity consumption.

##### **Ablution facilities**

The Contractor is to provide, erect where directed, and remove on completion of the works ablution facilities and shall maintain such facilities in a thoroughly clean and tidy condition.

##### **Telecommunication facilities**

The Contractor shall provide the following telecommunication facilities and shall be entitled to recover usage costs from the users thereof:

- Telephone
- Facsimile
- E-mail

##### **Security of the works**

The Contractor shall take all appropriate measures for general security of the works.

##### **Compliance with manufacturer's instructions**

The Contractor shall take delivery of, handle, store, use, apply and fix all products in strict accordance with the manufacturer's instructions.

##### **Protection/isolation of existing/sectionally occupied works**

The Contractor shall provide all temporary measures to protect/isolate the existing and/or sections of the occupied works and remove such measures on completion.

#### **4.5.5 Vehicles and equipment**

Not Applicable.

#### **4.5.6 Advertising rights**

Not Applicable.

#### **4.5.7 Notice boards**

The Contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board, size 2,44m wide and 2,89m high, according to the standard drawing available from the employer, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces.

The lettering is to be 50mm and 100mm "sans serif" in ivory white on the blue background and in 100mm "sans serif" in navy blue on the ivory white background. The inscription, in one language only, which must bear the approval of the Project Manager. No other names or notice boards may be erected without the written approval of the Project Manager.

Sketch drawings of all proposed names or notice boards must be submitted to the Project Manager for approval, before being prepared and erected on site. These sketch drawings must not only show the full content of the proposed names or notice boards, but also the position and locality in which the boards will be erected.

The Contractor will be required to erect a signboard displaying the EPWP logo, indicating that this project is part of the EPWP. All costs related to the provision, erection and subsequent removal of the signboard shall be refunded to the Contractor through the provisional sum included in the Schedule of Quantities for this purpose.

#### **4.5.8 Notice before covering work**

The contractor shall give adequate notice to the project manager whenever any work or material which is subject to inspection or remeasurement is to be covered or concealed in any way. In default of such a notice being received timeously by the project manager such work shall be exposed and later made good at the contractor's expense.

#### **4,6 Site usage**

To be done strictly in accordance to the Drawings, Specifications and as per PA, Architect's / Engineer's instructions

#### **4,7 Permits and way leaves**

To be done strictly in accordance to the Drawings, Specifications and as per PA, Architect's, Engineer's instructions

#### **4,8 Inspection of adjoining properties**

Before commencing with the works the project manager and contractor shall arrange with the owners of adjacent buildings and properties and representatives of local authorities to inspect, among others, the buildings, structures, paving's, kerbs, channels and fences. The contractor shall record all conditions that the works could affect and copy the project manager accordingly. The contractor shall pay particular attention to cracks, defects and existing levels related to structures, paving's, kerbs, channels and fences, which later could be claimed to have been caused or disturbed by the works.

Where instructed by the project manager, levels and photographs shall be taken by the contractor and the cost thereof shall be for the employer's account. Certified copies shall be lodged with the project manager.

#### **4,9 Water for construction purposes**

The Contractor to provide

#### **4.10 Survey control and setting out of the works**

To be done strictly in accordance to the Drawings, Specifications and as per Architect's instructions

#### **4.11 Title to Materials from demolition and excavation**

Any material generated through demolition or excavation which doesn't remain the property of the Employer shall be removed from site promptly and disposed of responsibly and in keeping with all applicable regulations.

### **5 MANAGEMENT**

#### **5.1 Management of the works**

##### **5.1.1 Applicable SANS 1921 standards**

Refer to Annex A of SANS 1921-1: 2003 for specific guidance

##### **5.1.2 Particular / generic specifications**

NIL

##### **5.1.3 Planning and programming**

Contractor to provide a construction programme within two weeks of site handover and the programme should be updated every four weeks

##### **5.1.4 Sequence of the works**

TBA

##### **5.1.5 Software application for programming**

To be advised.

##### **5.1.6 Methods and procedures**

Contractor shall provide a methodology statement on how he intends to carry out the work for approval.

##### **5.1.7 Quality plans and control**

The Contractor shall provide a a quality plan. All approvals should be sought first at completion of foundations, reinforcement and piling prior to continuing to the next level.

##### **5.1.8 Environment**

All aspects of the works must comply with statutory requirements and regulations made by relevant authorities and the Contractor must ensure compliance of site activities. All waste will be handled in an environmentally friendly manner.

**5.1.9 Accommodation of traffic on public roads occupied by the contractor****5.1.11 Testing, completion, commissioning and correction of defects****Testing of plant and equipment**

The Contractor shall provide all necessary test apparatus including ladders, scaffolding, tools, lighting, etc as may be necessary for inspection, examining and testing materials, workmanship and performance of any plant or equipment intended for the works.

The Contractor shall carry out preliminary tests on plant and equipment. The results of these preliminary tests shall be forwarded to the Project Manager.

Where the Contractor fails to carry out preliminary tests the project manager may engage others to execute the tests. Any expense or loss incurred by the employer resulting from such engagement may be recovered in terms of the contract.

The Contractor shall execute maintenance for the following services from completion until the defects date. Maintenance shall include for the replacement or repair of all components and include for stationary, replacement parts, lubrication, cleaning material, etc.

**Preventative Maintenance**

The Contractor shall:

- Visit the installation at least once per month
- Make all necessary adjustments for the correct operation of the plant
- Maintain all lubrication levels
- Clean all relevant machinery/equipment and affected plant rooms
- Record all work performed in a logbook

**Scheduled Services**

The Contractor shall:

- Perform all scheduled services in accordance with the operating and maintenance manuals
- Complete all maintenance schedules
- Clean all relevant machinery/equipment and affected plant rooms
- Record all services in a logbook

**Break Downs**

The Contractor shall:

- Attend to all call outs with due diligence
- Make good any defects due to inferior material and/or workmanship
- Clean all relevant machinery/equipment and affected plant rooms
- Record all work performed in a logbook



## **Vandalism**

The Contractor shall:

- Attend to all call outs with due diligence
- Prove vandalised breakages
- Submit a price for repairs to the agent
- Effect repairs on receipt of instruction
- Clean all relevant machinery/equipment and affected plant rooms
- Record all work performed in a logbook

## **Administration**

The Contractor shall:

- Submit all relevant contact details to the maintenance site foreman including the start and end dates of the maintenance period
- Supply a triplicate record type logbook for the installation to be kept in the office of the foreman
- Report to the foreman when visiting the site
- Sign off all logbook records with the foreman or his duly appointed representative
- Not shut down any part of the plant or installation without the approval of the institution management
- Convene three quarterly site meetings for the purpose of performance tracking. This meeting is to be attended by the site foreman, the employer's maintenance inspector and the agent
- Complete a site meeting record in the logbook, which must be signed by the foreman and the agent
- Submit a monthly invoice with copies of the monthly site inspection record, any service records and all relevant schedules

### **5.1.12 Recording of weather**

The Contractor shall erect an effective rainfall gauge on the site and record daily rainfall figures in a book. Such book shall be handed to the Project Manager at site meetings. Any rainfall which is considered to justify a compensation event is to be made known to the Project Manager within 1 week of occurrence.

### **5.1.13 Format of communications**

To be advised

### **5.1.14 Key personnel**

Contractor should comply with requirements in Part T.2.2 of this tender document.

### **5.1.15 Management meetings**

To be advised

## **Site Meetings and Procedures**

The Project Manager and the Contractor shall hold meetings relating to the progress of the works at regular intervals and at other such times as may be necessary. The Contractor shall attend all site meetings and shall ensure that all persons under his jurisdiction are notified timeously of all site meetings should the Project Manager require their attendance at such meetings.

The indicative duties of the *Project Manager*, *Supervisor* and *Employer* are as indicated in Annexure A

The Contractor shall keep on site a set of minutes of all site meetings, daily records of resources (people and equipment employed), a site instruction book, a complete set of contract working drawings and a copy of the procurement document and make these available at all reasonable times to all persons concerned with the contract.

#### **5.1.16 Forms for contract administration**

To be advised

#### **5.1.17 Electronic payments**

#### **5.1.18 Daily records**

#### **5.1.19 Bonds and guarantees**

#### **5.1.20 Payment certificates**

Before the employer's agent issues any certificate that includes any payment in respect of work done or goods supplied by any subcontractor, the contractor is to furnish reasonable proof of payments to subcontractors. These shall be made available at all reasonable times to all persons concerned with the contract. A monthly report on job creation should be submitted together with claims signed off by contractor, construction project manager and contractor liaison officer.

#### **5.1.21 Permits**

The Contractor must ensure that his staff is provided with identity or name tags and security / entrance permits.

#### **5.1.22 Proof of compliance with the law**

#### **5.1.23 Insurance provided by the employer**

N/A

### **5.2 Health and safety**

#### **5.2.1 Health and safety requirements**

The contractor shall be responsible for compliance with the requirements of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993, as a principal contractor and shall manage the health and safety aspects of the works in accordance with the requirements of the attached Specification for Occupational Health and Safety.

The contractor shall within one week of the starting date and prior to commencing with the works, submit to the Project Manager for approval a suitable and sufficiently documented health and safety plan, based on this specification and the risk assessment that is conducted. No access to the site will be allowed to the contractor without the documented health and safety plan being submitted to and approved by the Project Manager.

#### **5.2.2 Protection of the public**

Contractor to make provision for any costs relating to hoarding etc.

#### **5.2.3 Barricades and lighting**

Contractor to make provision for any costs relating to the barricading and lighting as this will be required.

#### **5.2.4 Traffic control on roads**

**5.2.5 Measures against disease and epidemics****5.2.6 Aids awareness**

The Contractor as an obligation of the contract is required to promote HIV/AIDS awareness in accordance with requirements of SANS 1921-6

**5.3 Annexes**

Annexure A	Indicative duties of the Project Manager, Supervisor and Employer
Annexure B	Occupational Health and Safety Specification
Annexure C	EPWP Training monthly summary sheet - to be advised by client
	Community Liaison Officer (CLO) Terms of Reference - to be advised by the client in consultation with the local counsellor
Annexure D	Calculation of penalties

## **C4 SITE INFORMATION**

**CALCULATION OF PENALTIES****CALCULATION OF PENALTY PER DAY (EXCLUDING VAT)**

CONTRACT PERIOD	RATE PER R100 OF ESTIMATE
1 month	27,5 cents
1,5 months	22 cents
2 months	16,5 cents
2,5 months	13,5 cents
3 months	11 cents
3,5 months	9,5 cents
4 months	8,5 cents
4,5 months	7,5 cents
5 months	6,25 cents
6 months	5,75 cents
7 months	4,75 cents
8 months	4 cents
9 months	3,75 cents
10 months	3,5 cents
11 months	3 cents
12 months	2,75 cents
14 months	2,5 cents
15 months	2,25 cents
16 months	2 cents
18 months	1,75 cents
20 months	1,5 cents
21 months	1,5 cents
24 months	1,25 cents
30 months	1 cent
36 months	1 cent
42 months	1 cent

**PENALTY PER DAY ROUNDED OFF AS FOLLOWS:**

R0	-	R500	nearest	R5
R501	-	R1 000	nearest	R10
R1 001	-	R5 000	nearest	R50
R5 001	-	and above	nearest	R100

**EXAMPLE**

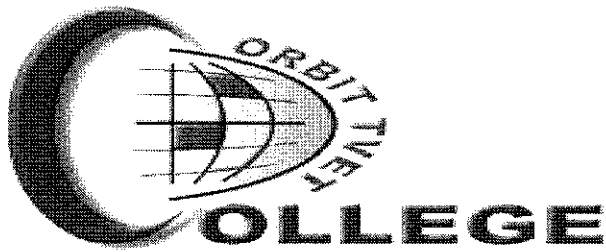
$$\begin{aligned}
 \text{Estimated contract value} &= \text{R2 500 000 (excluding VAT)} \\
 \text{Contract period} &= 12 \text{ months} \\
 &= \text{R2 500 000} \times \frac{0,0275}{100} \\
 &= \text{R687,50/day}
 \end{aligned}$$

Therefore rounded off to the nearest R10.00

$$= \text{R690,00/day}$$

**PENALTIES ON CONTRACTS IN PHASES**

Penalties must be calculated proportionally on the estimated contract value of each phase



**Bid Number: R04/2020**

**APPOINTMENT OF A CONTRACTOR FOR THE REFURBISHMENT, UPGRADING OF THE STORMWATER, SEWER RETICULATION AND THE EXTENSION OF THE ENTRANCE/EXIT GATE (ENTRANCE, EXIT AND THE ROAD WORKS TO THE RUSTENBURG CAMPUS)**

## **Part C4.1 Site Information**

### **C4.1 THE SITE**

The site is located at / within the Rustenburg TVET College Campus, at the corner of Fatima Bhayat and Bosch Street, at the Northwest in the rustenburg

### **C4.2 WORK AREA**

The work area is as shown in the site plan

### **C4.3 ACCESS**

The access to site is from the President Avenue. The contractor must familiarise himself with the site as no claim will be entertained in this regard.