



**CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR  
SPORTS CENTRE IN SMITHFIELD FOR THE DEPARTMENT OF  
SPORTS, ARTS, CULTURE AND RECREATION.**

**PROJECT MANAGERS & QUANTITY SURVEYORS:**

**TENDER DOCUMENT**



QUANTUM BUILT & ENVIRONMENT CONSULTANTS (PTY) LTD  
74 STALS STREET  
WILGEHOF BLOEMFONTEIN  
9301  
TEL: (051) 430  
8240  
FAX: (051) 430 8610





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**28 NOVEMBER 2025**

## **SECTION 1: SPECIAL CONDITIONS OF BID**

### **1. SECTION 1: GENERAL CONDITIONS OF BID**

#### **2. PURPOSE**

2.1 The Provision for Construction of proposed new Multi-Purpose Indoor Sports Centre in Smithfield to the Department of Sport, Arts, Culture and Recreation for fifteen (15) months.

#### **3. SERVICE DEFINITION**

3.1 The Department of Sport, Arts, Culture, and Recreation requests the Construction companies' services to render the works service. As mentioned, qualified and interested companies specializing in construction are invited to submit a proposal to provide these services for the department.

3.2 The Department of Sport, Arts, Culture, and Recreation requires a service provider that complies with the Construction Industry Development Board (CIDB) standard for uniformity in engineering and construction works contracts issued in terms of sections 4(f), 5(3)(c) and 5(4)(b) of the Construction Industry Development Board Act 38 of 2000 read with Regulation 24 of the Construction Industry Development Regulations, (as amended) issued in terms of section 33

#### **4. PROPRIETARY INFORMATION**

4.1 The Department of Sports, Arts, Culture, and Recreation (SACR) treats this REQUEST FOR BID (RFB) and all associated information, whether written or verbal, as confidential and



proprietary. Respondents, along with their officers, employees, agents, and representatives, must keep this information confidential. They are not permitted to disclose, publish, or share any details of the RFB or related information with third parties without obtaining prior approval from the department.

## 5. ENQUIRIES

5.1 All communication and attempts to solicit information of any kind relative to this RFB should be channelled **in writing** to:

Name: **Mr. AT RAMABULANA** or **Mr. M MBENYA**

Number: 083 707 0210 / 051 4035874

Email address: [ramabulana.ta@sacr.fs.gov.za](mailto:ramabulana.ta@sacr.fs.gov.za) or [mbenya.m@sacr.fs.gov.za](mailto:mbenya.m@sacr.fs.gov.za)

5.2 Enquiries for this Request for Proposal will not be accepted after 4:00 PM daily.

5.3 The enquiries will be consolidated, and DSACR will issue one response, which will be posted within two days after the last day of enquiries.

5.4 The department may respond to any inquiry in its absolute discretion, and the bidder acknowledges that it will have no claim against the department on the basis that its bid was disadvantaged by a lack of information or an inability to resolve ambiguities.

## **SECTION 2: INSTRUCTIONS ON SUBMISSION OF BIDS**

### **1. BID VALIDITY PERIOD AND GENERAL REQUIREMENTS**

1.1 Responses to this Request for Bid (RFB) received from bidders will be valid for 120 days starting from the closing date.

1.2 Bids must be submitted in a sealed envelope marked **DSACR-INFRA 2025/26**. This is a request for proposals for providing Construction services to the Department of Sports, Arts, Culture and



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Recreation for the Construction of New Multi-Purpose Indoor Sports Centre in Smithfield for fifteen (15) Months.

1.3 The sealed envelope must be placed in the bid box at the Main Reception area of the SARCZana Building, Cnr Henry and Hill Street, No 3, Bloemfontein, by 11:00 a.m. on Friday, **28<sup>th</sup> NOVEMBER 2025**.

1.4 Bids must be submitted in the prescribed response format, herein reflected as **Response Format**.

1.5 The bid closing date, bidder name, and return address must also be endorsed on the envelope.

1.6 Suppose a courier service company is being used to deliver the bid response. In that case, the bid description must be endorsed on the delivery note/courier packaging, and the courier must ensure that documents are placed/deposited into the bid box, and the bid submission register is signed thereof. **The DSACR will not be held responsible for delays in submitting bid documents to the DSACR-SCM Office.**

1.7 Where a bid response is not in the bid box at the bid closing, such a bid document will be regarded as a late bid. **The SACR's policy is not to consider late bids for tender evaluation.**

1.8 Amended bids may be sent in an envelope marked "Amendment to bid" and should be placed in the bid box before the closing time.

1.9 Bidders shall provide complete and accurate answers to all (including mandatory) questions posed in this document, and are required to explicitly state either "Comply" or "Not Comply" or "Partial" (with a ☐)" regarding compliance with the requirements. Where necessary, the bidder shall substantiate their response to a specific question.

1.10 **It is mandatory for the bidders to comply with the bid conditions.**

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## 2. BID REQUIREMENTS:

- All bidders must have a Valid bank account
- All the relevant forms attached to these bidding documents must be completed and signed in ink, where applicable, by a duly authorized official.

## 3. BID SUBMISSION

- (a) One original tender closed bid document and a Memory stick with a PDF document saved.

## 4. SPECIAL CONDITIONS THAT THE BIDDER NEEDS TO TAKE NOTE OF:

### 4.1 FRAUD AND CORRUPTION

All service providers are to take note of the implications of contravening the Prevention and Combating of Corrupt Activities Act, Act No 12 of 2004, and any other Act applicable.

### 4.2 NEGOTIATION

4.2.1 The department has the right to enter negotiations with a prospective contractor regarding any terms and conditions, including price(s), of a proposed contract.

4.2.2 The department shall not be obliged to accept the lowest of any bid, offer, or proposal in part or in whole.

4.2.3 All responses will be made public. A contract is only considered valid when it is reduced to writing in a contract form signed by the authorized representatives of both parties.

4.2.4 The designated responsible person of the department is the Supply Chain director or his/her written authorized delegate.



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### 4.3 REASONS FOR REJECTION

- 4.3.1 The department shall reject a proposal for the award of a contract if the recommended bidder has committed a proven corrupt or fraudulent act in competing for the particular contract.
- 4.3.2 The Department may disregard the bidders that are restricted, or any of its directors:
  - 4.3.2.1 Have abused the department's SCM system.
  - 4.3.2.2 Have committed proven fraud or any other improper conduct in relation to such a contract.
  - 4.3.2.3 Have failed to perform on any previous contract, and the proof exists.
  - 4.3.2.4 Such actions shall be communicated to the National Treasury.

### 4.4 PAYMENTS

- 4.4.1 The department will pay the service provider the fee set out in the final contract.
- 4.4.2 No additional amounts will be payable by the department to the Contractor.
- 4.4.3 The Contractor shall, from time to time during the course of the contract, invoice the department for the services rendered.
- 4.4.4 No payment will be made to the contractor unless an invoice complying with section 20 of the VAT Act No 89 of 1991 has been submitted to the department.
- 4.4.5 Payment shall be made into the bidder's bank account, generally within 30 days after receiving an acceptable, valid invoice (Banking details must be submitted as soon as this BID is awarded).
- 4.4.6 The service provider shall be responsible for accounting to the appropriate authorities for its Income Tax, VAT, or other amounts of money required to be paid in terms of applicable law.

### 4.5 COMPANY SCREENING

- 4.5.1 The department reserves the right to screen any service provider from the short-listed bidder/s if needed.

## 5. BIDDERS ACCEPTANCE QUESTIONNAIRE

	REQUIREMENT	ACCEPT	NOT ACCEPT
1	Tenderers are invited to offer the Services in accordance with the attached Specifications and the conditions within this document.		
2	Fully comprehensive service documentation shall be supplied in English by each Tenderer, which shall explicitly and in detail describe the service/s offered. This documentation shall include sufficient detail to give the reader a precise and unambiguous description of the service/s offered. Incomplete or incomprehensive service documentation will result in rejection of the offer.		
3	DSACR reserves the right to evaluate and consider any bid that do not comply strictly to this RFB.		
4	Acceptance of any bid will only indicate, without any obligations on the part of either DSACR and/or a Tenderer, the willingness of such parties to enter negotiations, which may or may not result in a contract/order as the case may be.		
5	DSACR reserves the right to make a selection solely on the information received in the bid to negotiate further with one or more Tenderer/s.		
6	The Tenderer/s selected for further negotiations, if any, will be chosen on the basis of the greatest benefit to DSACR and not necessarily on the basis of lowest price or any other criteria.		
7	Should DSACR consider it necessary, the Tenderer/s shall agree to an inspection of the resources and works of the Tenderer, if so required?		
8	Should DSACR consider it necessary, will visit the Tenderer/s customer sites.		
9	DSACR reserves the right: <ul style="list-style-type: none"> <li>• To cancel this Request at any time.</li> <li>• Not to accept any Tender.</li> <li>• To accept one or more Tenders for further negotiation <b>AND</b>. To make a selection solely on the information received in the Tenders or to negotiate further with one or more Tenderer/s. <b>AND</b> To contact any Tenderer during the evaluation period, to clarify information only, without informing any other Tenderer.</li> </ul>		

## 6. BID CONDITIONS

6.1 The Tender forms should not be retyped or redrafted, but photocopies may be prepared and used.

However, only documents with the original signature in black ink shall be accepted.



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**DESCRIPTION:**

- 6.1.1 Black ink should be used when completing Bid documents.
- 6.1.2 Bidders should check the numbers of the pages to satisfy themselves that none is missing.
- 6.1.3 DSACR will accept NO liability in regard to anything arising from the fact that pages are missing.
- 6.2 I/We hereby tender to supply all or any of the supplies and/or to procure all or any of the service described in the attached documents to DSACR in the terms and conditions and in accordance with the specifications stipulated in the Tender documents (and which shall be taken as part of, and incorporated into, this Tender) at the prices inserted therein.
- 6.3 I/We agree that -
- 6.3.1 The offer herein shall remain binding upon me/us and open for acceptance by DSACR during the validity period indicated and calculated from the closing hour and date of the Tender.
- 6.3.2 The laws of the Republic of South Africa shall govern the contract created by the acceptance of my/our Tender and that I/we choose domicilium citandi et executandi in the Republic as indicated.
- 6.4 I/We furthermore confirm that I/we have satisfied myself/ourselves as to the correctness and validity of my/our Tender that the price(s) and rate(s) quoted cover all the work/item(s) specified in the Tender documents and that the price(s) and rate(s) cover all my/our obligations under a resulting contract and that I/we accept that any mistakes regarding price(s) and calculations will be at my/our risk.
- 6.5 I/We hereby accept full responsibility for the proper execution and fulfillment of all obligations and conditions devolving on me/us under this Tender as the Principal(s) liable for the due fulfillment of this contract.



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DESCRIPTION:

## 7. TENDER CONDITIONS

7.1 Tenderers shall provide full and accurate answers to all questions posed in this document, and, are required to explicitly state either "Comply" or "Not Comply" or "Partial" (with a )" regarding compliance with the requirements. Where necessary, the tenderer shall substantiate their response to a specific question.

7.2 A "" under "Accept" will be interpreted as full compliance/acceptance to the applicable paragraph.

7.3 A "" under "Accept" will be interpreted that the tenderer/s has/have read and understood the paragraph, but the tenderer does not accept the content of the applicable paragraph.

The following Tender conditions will govern the contract between the DSACR and the successful tenderer:



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DESCRIPTION:

Page



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**DESCRIPTION:****SECTION 3: EVALUATION AND CRITERIA****1. EVALUATION BIDS RECEIVED:****1.1 Mandatory Requirements**

**1.1.1** Provide unique security personal identification number (PIN) issued by the South African Revenue Services and/or Central Supplier Database's MAAA number which will be used to verify valid tax compliance status of the bidding entity. (Where Consortium / Joint Venture / Sub-contractors are involved, each party to the association must have a compliant tax status which will be confirmed at the time of award).

**1.1.2** A valid proof of registration on the National Treasury's Central Supplier's Database must be accompanying this bid (where Consortium / Joint Venture / Sub-contractors are involved, each party to the association must submit a separate or a unique security personal Identification number). However, joint ventures, partnerships, including unincorporated partnerships must register on the CSD within 15 days of the date of bid advert closing.

**1.1.3** Potential Bidders must have a contractor registered at CIDB Grading Level of 7GB or higher as part of their team.

(Must be active on the date of advert closing and a valid proof must be provided).

1.1.3.1 Only those tenderers who satisfy the following eligibility criteria are eligible to submit tenders:

1.1.3.2 CIDB grading 7GB or higher who satisfy criteria stated in the Tender Data may submit Tender offers

1.1.3.3 Joint ventures are eligible to submit tenders provided that:

1.1.3.4 every member of the joint venture is registered with the CIDB;

1.1.3.5 the lead partner has a contractor grading designation in the 7GB class of construction work; and

1.1.3.6 The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to 7GB or higher than a contractor grading designation determined in accordance with the sum tendered for a GB class of construction work;

1.1.3.7 Tenderers that satisfy the criteria stated in the tender data and the tenderer or any of his principals is not under any restriction to do business with the employer.

**2. EVALUATION PROCESS**

1.2 Criteria for preferential procurement shall be as stated when in our bid documents.

**DESCRIPTION:**

1.3 All bids will be evaluated in terms of the preference point system, which comprises of the following:

1.3.1 Phase 1: Pre-Evaluation

1.3.2 Phase 2: Functionality Criteria

1.3.3 Phase 3: Preference Point System

1.4 Compliance with minimum requirements and response requirements:

**3. MANDATORY DOCUMENTS: PHASE 1**

NO.	DESCRIPTION	REQUIREMENTS: MANDATORY OR NONMANDATORY	COMMENTS
1	Central Supplier Database (CSD) Report	<b>MANDATORY</b>	Bidders must be registered on the Central Supplier Database (CSD) on the National Treasury Website – <a href="http://www.csd.gov.za">www.csd.gov.za</a> before submitting a bid.
2	Completed and duly signed Invitation to Bid Form- SBD 1	<b>MANDATORY</b>	Non-submission as well as incomplete SBD 1 form will result in disqualification.
3	Completed and duly signed Invitation to Bid Form- SBD 3.1	<b>MANDATORY</b>	Non-submission as well as incomplete SBD 3.1 form will result in disqualification.
4	Completed and duly signed Bidder's Disclosure Form- SBD 4	<b>MANDATORY</b>	Non-submission, as well as an incomplete SBD 4 form, will result in disqualification.
5	Completed and duly signed Preference Points Claim Form- SBD 6.1	<b>NON-MANDATORY</b>	Failure to provide a completed and duly signed SBD 6.1 form will result in the forfeiture of preference points.
6	Valid Proof of registration with CIDB Grade Seven (7)	<b>MANDATORY</b>	Valid proof of registration with CIDB issued to the bidder. (Attach proof of valid CIDB certificate)



**DESCRIPTION:**

7	COIDA Letter of good standing or letter for tender purposes.	<b>MANDATORY</b>	Valid letter (not expired at submission date) of Good standing for the Compensation for Occupational Injuries and Disease Act (COIDA) relevant to security services. <b>(Attach proof of valid COIDA certificate or letter for tender purposes).</b>
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**4. BIDDERS COMPLIANCE**

- 4.1 A bidder who fails to comply with mandatory requirements No. 1, 3, 4, 6, 7, 8, and 9, will be disqualified from the evaluation process.
- 4.2 A bidder who fails to comply with mandatory requirements No. 2 will forfeit preference points for specific goal points.
- 4.3 All bids duly lodged will be examined to determine compliance with the Bid requirements and conditions. Bids with obvious deviations from the requirements/ conditions will be eliminated from further evaluation
- 4.4 Attendance of the mandatory clarification meeting the details of which are listed in the tender notice and invitation.
- 4.5 All documents must be completed in writing with a black ink
- 4.6 Duly Signed and Completed SBD documents (SBD 1, SBD 3.1, SBD 4, SBD 6.1).
- 4.7 Duly signed and completed – Annual Financial Declaration.

**DESCRIPTION:****5. PHASE 2: FUNCTIONALITY CRITERIA**

**5.1** The evaluation on functionality criteria will be evaluated based on the following information:

- 5.1.1 Attach verifiable experience of key staff who have previously worked on similar projects.
- 5.1.2 Attach relevant experience and skill of the main contractor or sub-contractor in working on similar construction projects.
- 5.1.3 Attach proof of locality of the main contractor. (Fully functional operational office of the bidder).
- 5.1.4 Each bidder must obtain a minimum of 144 points out of 180 points (80 percent) for functionality in order to qualify for evaluation on price and preference using the 80 / 20 preference points systems.
- 5.1.5 Functionality (Separate from price) 180 points

**6. PHASE 3: PREFERENCE POINT SYSTEM AND PRICE**

- 6.1** The financial proposal should include 15% VAT (If applicable) and other costs.
- 6.2** Bidders should indicate the price per milestone/deliverable to be executed.
- 6.3** Bidders are also required to complete the pricing schedule following the scope of work
- 6.4** All bids will be evaluated in terms of the preference point system, as follows:

<b>CRITERIA</b>	<b>POINTS</b>
PRICE	80
SPECIFIC GOALS	20
<b>TOTAL</b>	<b>100 points</b>

**7. REASONS FOR DISQUALIFICATION**

- 7.1** The department reserves the right to disqualify any bidder which does any one or more of the following, and such disqualification may take place without prior notice to the offending bidder:
- 7.1.1 Tenderers who are blacklisted.
- 7.1.2 Tenderers who are not registered on Central Supplier Database.
- 7.1.3 Bidders who submitted incomplete information and documentation according to the requirements of this bid document, e.g., not submitting both a fully completed document with all returnable documents as stated on this tender document;



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**DESCRIPTION:**

- 7.1.4 Bidders who submitted information that is fraudulent, factually untrue or inaccurate information;
- 7.1.5 Bidders who received information not available to other bidders through fraudulent means.
- 7.1.6 Bidders whose CIDB grading status has been suspended and/or cancelled.
- 7.1.7 Bidders who do not comply with mandatory requirement as stated in this document.
- 7.1.8 Tenderers who in the past abused DSACR's procurement system.
- 7.1.9 Tenderers who failed to perform on their previous contracts with DSACR or any of their references
- 7.1.10 Tenderers that do not have the relevant Qualification will be disqualified.

**8. MANDATORY REQUIREMENTS REQUIRED FOR EVALUATION PURPOSES:**

- 8.1 Completed and signed schedule of equipment offered. (Refer to the relevant section in the specification (page 45).
- 8.2 Completed and signed schedule of tender's schedule of experience. (page 46)
- 8.3 Duly completed and signed SBD 6.1 – Preference points claim form in terms of the Preferential Procurement Regulations 2022.
- 8.4 Attach appointment letters, Reference Letters and completion certificates where the contractor has carried out similar nature of works.
- 8.5 Attach curriculum vitae of relevant staff in the format of the Resource Information Sheet provided.
- 8.6 Bidders or contractors will be expected to submit proof of subcontracting arrangement between the main contractor and each sub – contractor post award.
- 8.7 Proof of registration with the CIPC for contractor.
- 8.8 Proof of CSD registration of contractor.
- 8.9 Unique security pin issued by SARS.
- 8.10 Certified copies of Identity document (ID) certificates.
- 8.11 CIDB CSR number of a contractor.
- 8.12 Proof of address/ lease agreement confirming contractor is based in the Free State Province.
- 8.13 **All documents must be completed in writing with black ink.**



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**DESCRIPTION:**

## **9. EVALUATION OF TENDERS ON FUNCTIONALITY**

Generally, tender submissions are evaluated in terms of “Financial offer and preference”. In the event of “functionality” being introduced as part of an evaluation criteria, such a requirement must be stated in the tender documents.

### **9.1 PROCESS FOR EVALUATION OF TENDERS ON FUNCTIONALITY**

- 9.1.1 The evaluation criteria for measuring functionality must be objective.
- 9.1.2 The tender documents must specify-
  - 9.1.2.1 The evaluation criteria for measuring functionality;
  - 9.1.2.2 The points for each criterion and, if any, each sub-criterion; and
  - 9.1.2.3 The minimum qualifying score for functionality.
- 9.1.3 The minimum qualifying score for functionality for a tender to be considered further-
  - 9.1.3.1 Must be determined separately for each tender; and
  - 9.1.3.2 May not be so-
    - 9.1.3.2.1 low that it may jeopardize the quality of the required engineering and construction works: or
    - 9.1.3.2.2 high that it is unreasonably restrictive.
- 9.1.4 Points scored for functionality must be rounded off to the nearest two decimal places.
- 9.1.5 A tender that fails to obtain the minimum qualifying score for functionality, as indicated in the tender documents is not an acceptable tender.
- 9.1.6 Each tender that obtained the minimum qualifying score for functionality must be evaluated further in terms of price and the preference point system.



## DESCRIPTION:

## 10. EVALUATION ON FUNCTIONALITY CRITERIA

## 10.1 FUNCTIONAL CRITERIA

No	CRITERION	GUIDELINE FOR CRITERION	MAXIMUM SCORE										
1	Capacity of the contractor to execute large infrastructure projects of similar nature and complexity	<p><b>Capacity of the Contractor to execute the works. In order to qualify here, the Contractor will have to demonstrate their capacity/ability to execute the works needed in construction projects of a similar nature which were awarded and completed within the last 5 years (<i>Excluding two years of Covid 19 Pandemic</i>):</b></p> <p>This must be projects above R20 million each completed project including all applicable taxes:</p> <table border="1"> <tr> <td>5 Projects</td> <td>30 Points</td> </tr> <tr> <td>4 Projects</td> <td>25 Points</td> </tr> <tr> <td>3 Projects</td> <td>20 Points</td> </tr> <tr> <td>2 Projects</td> <td>15 Points</td> </tr> <tr> <td>1 Project</td> <td>10 Points</td> </tr> </table> <p>Supporting documents required to support the claims above (Only appointment letter/s and accompanied by completion certificate/s for each completed project above R20 million must be submitted as proof to support claims made above), and the department reserve the right to verify all supporting document and any misrepresentation will be regarded as disqualification of the bid.</p> <ul style="list-style-type: none"> <li>• Both the appointment letters as well as the completion certificates must be signed, dated and on the letterhead of the employer.</li> <li>• All projects listed above must be registered on the schedule of the tenderer's experience</li> <li>• Failure to complete and sign the tenderer's schedule of experience will result in the bidder forfeiting these points.</li> <li>• The department reserves the right to verify the received supporting documents.</li> </ul>	5 Projects	30 Points	4 Projects	25 Points	3 Projects	20 Points	2 Projects	15 Points	1 Project	10 Points	30
5 Projects	30 Points												
4 Projects	25 Points												
3 Projects	20 Points												
2 Projects	15 Points												
1 Project	10 Points												



**DESCRIPTION: CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE  
IN SMITHFIELD**

<p>2</p>	<p><b>Experience of key staff – Construction Project Manager</b></p>	<p><b>Certified copies of Relevant Built Environment Qualifications (NQF level 7 or higher) and Experience of Professional Construction Manager (PCM) registered with SACPCMP for which a detailed CV with traceable and contactable reference for similar building projects worked/completed. Provide valid proof that the registration is active on the advert closing date.</b></p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Provide an affidavit signed by the PCM giving the company consent to utilize their personal information for the purposing of responding to this bid.</li> <li>• The contractor has the responsibility to ensure that they maintain within their employment a person/s of similar qualification, and experience as to the one they submitted their details for this bid.</li> <li>• The contactor further has the responsibility to notify the employer should this resource no longer be available for this contract and make an equivalent replacement within a period of one month.</li> <li>• The department will consider it as bridge of contract should the contractor not adhere to this condition throughout the duration of this contract.</li> </ul> <p><b>(MUST COMPLETE THE ATTACHED RESOURCE INFORMATION TEMPLATE, FAILURE WHICH THE CONTRACTOR WILL FORFEIT THESE POINTS):</b></p> <table border="1"> <tr> <td colspan="2">Scoring of post registration experience:</td> </tr> <tr> <td>09 years or higher</td> <td>15 Points</td> </tr> <tr> <td>07 to 08 years</td> <td>12 Points</td> </tr> <tr> <td>05 to 06 years</td> <td>9 Points</td> </tr> <tr> <td>03 to 04 years</td> <td>6 Points</td> </tr> </table>	Scoring of post registration experience:		09 years or higher	15 Points	07 to 08 years	12 Points	05 to 06 years	9 Points	03 to 04 years	6 Points	<p>15</p>
Scoring of post registration experience:													
09 years or higher	15 Points												
07 to 08 years	12 Points												
05 to 06 years	9 Points												
03 to 04 years	6 Points												
<p>3</p>	<p><b>Experience of key staff – Construction Project Supervisor</b></p>	<p><b>Certified copies of Relevant Qualifications (NQF level 6 or higher) and Experience of Construction Supervisor for which a detailed CV with traceable and contactable reference for similar building projects worked/completed. (MUST COMPLETE THE ATTACHED RESOURCE INFORMATION TEMPLATE, FAILURE WHICH THE CONTRACTOR WILL FORFEIT THESE POINTS):</b></p> <table border="1"> <tr> <td colspan="2">Scoring of post qualifications experience:</td> </tr> <tr> <td>13 to 15 years or higher</td> <td>10 Points</td> </tr> <tr> <td>10 to 12 years</td> <td>8 Points</td> </tr> </table>	Scoring of post qualifications experience:		13 to 15 years or higher	10 Points	10 to 12 years	8 Points	<p>10</p>				
Scoring of post qualifications experience:													
13 to 15 years or higher	10 Points												
10 to 12 years	8 Points												



DESCRIPTION:

		7 to 9 years	6 Points
		4 to 6 years	4 Points
		Up to 3 years	2 Points
4	Detailed methodology and Approach: It must	<p><b><u>SCOPE MANAGEMENT WITH CLEAR TIME FRAMES</u></b></p> <ul style="list-style-type: none"> <li>A detailed scope and project management plan</li> </ul>	20 Points

	lead to the successful completion of the project in terms Time, Cost, Scope, Resources, Risks and Quality.	with clear timeframes.	
5		<p><b><u>LOCAL JOB CREATION PLAN ALIGNED TO EPWP METHODOLOGIES FOR MEMBERS OF THE COMMUNITY WHERE THE PROJECT IS TAKING PLACE</u></b></p> <ul style="list-style-type: none"> <li>Recruitment (process, number of job opportunities created, and skills development from accredited training providers).</li> <li>Management of personal information (certified ID copies), attendance registers and payment registers.</li> <li>Monthly reporting in a prescribed format. <i>NB: Provide sample templates for each of the above documents. The Department reserves the right to prescribe standard templates during project implementation phase.</i></li> </ul>	20 Points



**DESCRIPTION: CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHFIELD**

		<p><b><u>FINANCES</u></b></p> <ul style="list-style-type: none"> <li>• Cash flow projections aligned with the Programme.</li> <li>• Letter from a financial institution stating bank code, not older than 3 months (<i>stamped and signed by the banker</i>)</li> </ul> <p><i>NB: The code given should be based on this specific project value and the construction period, refer to the following:</i></p> <p><b>Project Value: Between R40,000 000.00 &amp; R60,000 000.00</b></p> <p><b>Construction period : fifteen(15) calendar months</b></p>	<p>20 Points</p>	
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		<p><b><u>EQUIPMENT (SUBMIT PLAN)</u></b></p> <ul style="list-style-type: none"> <li>• Compliance with Health and Safety Act.</li> <li>• List of major equipment to be used and how they will be sourced.</li> <li>• Schedule of engagement which is aligned to the main Programme.</li> <li>• Complete schedule of plant and equipment</li> </ul>	<p>5 Points</p>	
		<p><b><u>MATERIAL (SUBMIT PLAN)</u></b></p> <ul style="list-style-type: none"> <li>• Sample and testing management.</li> <li>• Procurement of material.</li> <li>• Compliance of material to all applicable SANS standards.</li> <li>• Alignment of the procurement of material to the main Programme.</li> </ul>	<p>5 Points</p>	
		<p><b><u>HUMAN RESOURCES (SUBMIT PLAN)</u></b></p> <ul style="list-style-type: none"> <li>• Sourcing of teams in line with the Programme</li> <li>• Compliance with legislation:                         <ul style="list-style-type: none"> <li>○ Employment equity</li> <li>○ PAYE</li> <li>○ COIDA</li> <li>○ BCOE</li> </ul> </li> </ul>	<p>5 Points</p>	



DESCRIPTION:

		<p><b><u>HEALTH AND SAFETY MANAGEMENT</u></b> <b><u>(Submit OHS plan)</u></b></p> <ul style="list-style-type: none"> <li>• Compliance with the Act.</li> <li>• OHS Policy.</li> <li>• How will the legal appointment be made?</li> </ul>	5 Points	
		<p><b><u>STAKEHOLDER MANAGEMENT (SUBMIT PLAN)</u></b></p> <ul style="list-style-type: none"> <li>• How will stakeholders be identified and engaged.</li> <li>• Communication with stakeholders.</li> <li>• Stakeholder register management</li> </ul>	5 Points	
5	Quality Management	<p><b><u>QUALITY ASSURANCE</u></b></p> <ul style="list-style-type: none"> <li>• What site and project protocols will be followed i.e., conducting project coordination meetings</li> <li>• How will documentation be handled i.e., daily record keeping</li> <li>• Management of Specialist Contractors</li> </ul>	20 Points	40
		<p><b><u>QUALITY CONTROL</u></b></p> <ul style="list-style-type: none"> <li>• Demonstrate the control of quality in the following:                             <ul style="list-style-type: none"> <li>○ Safety and protection of the works</li> <li>○ Workmanship</li> <li>○ Testing and inspection of the works</li> <li>○ Management of Site Instructions</li> </ul> </li> </ul>	20 Points	
<b>TOTAL (minimum score of 80%)</b>				



## DESCRIPTION:

180

## 10.2 THE SCORING CRITERIA WILL BE AS FOLLOWS:

Rating	Score out of 5	Score out of 10	Score out of 15	Score out of 20	Approach and methodology
Poor	1	2	3	4	The approach and / or methodology is poor / is very unlikely to satisfy project objectives or requirements. The tenderer has completely misunderstood all aspects of the scope of work and does not deal with any critical aspects of the project.
Average	2	4	6	8	The approach and / or methodology is not good / is unlikely to satisfy project objectives or requirements. The tenderer has misunderstood certain aspects of the scope of work and does not deal with the critical aspects of the project.
Good	3	6	9	12	The approach is generic and not tailored to address the specific project objectives and methodology. The approach does not adequately deal with the critical characteristics of the project. The quality plan, manner in which risk is to be managed etc., is too generic.
Very Good	4	8	12	16	The approach is specifically tailored to address the specific project objectives and methodology and is sufficiently flexible to accommodate changes that may occur during execution. The quality plan and approach to managing risk etc., is specifically tailored to the critical characteristics of the project.
Excellent	5	10	15	20	Besides meeting the "good" rating, the important issues are approached in an innovative and efficient way, indicating that the tenderer has outstanding knowledge of state-of-the-art approaches. The approach paper details ways to improve the project outcomes and the quality of the outputs.




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**DESCRIPTION:**
**10.3 EVALUATION SCHEDULE: QUALITY ASSURANCE AND CONTROL:**

10.3.1 The quality control practices and procedures which ensure compliance with stated employer's requirements previous will be evaluated.

10.3.2 Tenderers should very briefly outline his or her procedures in relation to the project and attach this to this schedule. The scoring of the Tenderer's quality control procedures will be as follows:

No	Score	0 to 10	Proposed Quality Assurance and Control
0	No score	0	Failed to provide quality assurance and control
1	Poor	2	Quality control procedures are very poor and will not ensure compliance with stated employer's requirements
2	Average	4	Quality control procedures are unlikely to ensure compliance with stated employer's requirements
3	Good	6	Quality control procedures are possibly able to ensure compliance with stated employer's requirements
4	Very Good	8	Quality control procedures are likely to ensure compliance with stated employer's requirements
5	Excellent	10	Quality control procedures are most likely to ensure compliance with stated employer's requirements

**10.4 STAGE THREE: EVALUATION ON PRICE AND PREFERENCE**

10.4.1 Pricing on the project in order to achieve the objectives of the Preferential Procurement Regulations.

10.4.2 The Department is committed to achieving the government's objectives of the transformation of the economy economic transformation as set out in the Preferential Procurement Policy Framework Act, and the Preferential Procurement Regulations of 2022.

**DESCRIPTION:**

10.4.3 The 80/20 preference point system applicable to tenders with a rand value of R50 million and below (applicable taxes included), will be used for evaluation this bid.

10.4.4 The scoring of points for price and preference system in terms of the 80/20 preference point system where the lowest price score 80 points for price.

10.4.5 Calculating of points for specific goals will be awarded to a tenderer for attaining the specific goals in accordance with the below process.

Price	80
Specific goals	20

10.4.6 Allocation of points in terms of the 80/20 preference point system.

Where

Ps = Points scored for price of bid under consideration

Pt = Price of bid under consideration

Pmin = Price of lowest acceptable bid

Points awarded for specific goals

NB: Details for specific goals are clarified

on SBD 6.1

## **SECTION 4: TENDER DATA**

### **1. CONSTRUCTION INDUSTRY DEVELOPMENT BOARD STANDARD FOR UNIFORMITY IN ENGINEERING AND CONSTRUCTION WORKS CONTRACTS (2019)**

1.1 This standard is issued in terms of sections 4(f), 5(3)(c) and 5(4)(b) of the Construction Industry Development Board Act 38 of 2000 read with Regulation 24 of the Construction Industry Development Regulations, (as amended) issued in terms of section 33.

1.2 The Standard for Uniformity in Construction Procurement was first published in Board Notice 62 of 2004 in Government Gazette No 26427 of 9 June 2004. It was subsequently amended in Board Notice 67 of 2005 in Government Gazette No 27831 of 22 July 2005, Board Notice 99 of 2005 in Government Gazette No 28127 of 14 October 2005, Board Notice 93 of 2006 in Government Gazette No 29138 of 18 August 2006, Board Notice 9 of 2008 in Government Gazette No 30692 of 1 February 2008, Board Notice 11 of 2009 in Government Gazette No 31823 of 30 January 2009, Board Notice 86 of 2010 in Government Gazette No 33239 of 28 May 2010 and Board Notice 136 of 2015 in Government Gazette 38960 of 10 July 2015.



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DESCRIPTION:

## 2. STANDARD FOR UNIFORMITY IN ENGINEERING AND CONSTRUCTION

### WORKS CONTRACTS 2.1 SCOPE

This standard establishes requirements for engineering and construction works contracts aimed at bringing about standardization and uniformity in construction contracts documentation, practices and procedures.

### 2.2 NORMATIVE REFERENCES

The following referenced documents are for the application of this standard.

For undated references, the latest edition of the referenced document (including any amendments) applies.

2.2.1 **Conditions** of Contract for Construction for Building and Engineering Works designed by the Employer ("Red Book") as published by the International Federation of Consulting Engineers (FIDIC).



- 2.2.2 **Conditions** of Contract for Plant and Design-Build for Electrical and Mechanical Plant and for Building and Engineering Works, designed by the Contractor (“Yellow Book”) as published by the International Federation of Consulting Engineers (FIDIC).
- 2.2.3 **Conditions** of Contract for EPC Turnkey Projects (“Silver Book”) as published by the International Federation of Consulting Engineers (FIDIC).
- 2.2.4 Conditions of Contract for Design, Build and Operate Projects (“Gold Book”) as published by the International Federation of Consulting Engineers (FIDIC).
- 2.2.5 General Conditions of Contract for Construction Works as published by the South African Institution of Civil Engineering.
- 2.2.6 JBCC Series 2000 Principal Building Agreement as published by the Joint Building Contracts Committee.
- 2.2.7 JBCC Series 2000 Minor Works Agreement as published by the Joint Building Contracts Committee.
- 2.2.8 NEC3 Engineering and Construction Short Contract as published by the Institution of Civil Engineers.
- 2.2.9 NEC3 Engineering and Construction Contract as published by the Institution of Civil Engineers.
- 2.2.10 Short Form of Contract (“Green Book”) as published by the International Federation of Consulting Engineers (FIDIC).
- 2.2.11 Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017 (as amended).
- 2.2.12 South African Bureau of Standards, SANS 10845-1, Construction procurement - Part 1: Processes, methods and procedures.
- 2.2.13 South African Bureau of Standards, SANS 10845-2, Construction procurement - Part 2: Formatting and compilation of procurement documentation.
- 2.2.14 South African Bureau of Standards, SANS 10845-3, Construction procurement – Part 3: Standard conditions of tender.
- 2.2.15 South African Bureau of Standards, SANS 10845-4, Construction procurement - Part 4: Standard conditions for the calling for expressions of interest.

### 3 DEFINITIONS

For purposes of this standard, the following definitions apply:

- 3.1 **black people** means Africans, Coloureds and Indians -
- (a) who are citizens of the Republic of South Africa by birth or descent; or
  - (b) who became citizens of the Republic of South Africa by naturalization -
    - (i) before 27 April 1994; or on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date.
- 3.2 **capacity** means the resources (human capital, financial, physical assets, systems, procedures) which a tenderer puts at the disposal of the project to select, fund and execute the work;
- 3.3 **conflict of interest** means any situation in which someone in a position of trust has competing professional or personal interests which make it difficult for him to fulfill his duties impartially, an individual or the tenderer is in a position to exploit a professional or official capacity in some way for his personal or for corporate benefit, or incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee;
- 3.4 **contracting strategy** means strategy that defines the nature of the relationship which the employer wishes to foster with the contractor, which in turn determines the risks and responsibilities between the parties to the contract and the methodology by which the contractor is to be paid;
- 3.5 **contract data** means document that identifies the applicable conditions of a contract and states the associated contract-specific data;
- 3.6 **design and build** means contract in which a contractor designs a project based on a brief provided by the employer and constructs it;
- 3.7 **develop and construct** means contract based on a scheme design prepared by the employer under which a contractor produces drawings and constructs it;
- 3.8 **design by employer** means contract under which a contractor undertakes only construction based on full designs issued by the employer;
- 3.9 **employer** means an organ of state entering into a contract with a contractor for the provision of engineering and construction works;
- 3.10 **expression of interest** means a request for respondents to register their interest in undertaking a specific contract or to participate in a project or Programme and to submit their credentials, so they may, in terms of the employer's procurement procedures, be invited to submit a tender offer should they qualify or be selected to do so;
- 3.11 **financial offer** means the cost of the procurement in monetary terms;



- 3.12 **form of offer and acceptance** means the documents that formalize the legal process of offer and acceptance;
- 3.13 **functionality** means the ability of a tenderer to provide engineering and construction works in accordance with specifications as set out in the tender documents;
- 3.14 **invitation to tender** means formal invitation to qualified tenderers to make a written offer for construction works;
- 3.15 **list of returnable documents** means document that lists everything the employer requires a tenderer to include with the tender submission;
- 3.16 **management contractor** means contract under which a contractor provides consultation during the design stage and is responsible for planning and managing all post contract activities for contractors and the performance of the whole contract;
- 3.17 **notice and invitation to submit an expression of interest** means the document that alerts respondents to submit their credentials in order to be admitted to an electronic database or to be invited to submit tenders should they satisfy the stated criteria;
- 3.18 **potentially emerging enterprise** means an enterprise which is least 50 percent owned, managed and controlled by black people;
- 3.19 **preference** means points awarded for Broad-Based Black Economic Empowerment (B-BBEE) status level of contribution;
- 3.20 **pricing assumptions** means the document that provides the criteria and assumptions which are assumed in the contract and which the tenderer has taken into account when developing his prices, or target in the case of target cost contracts;
- 3.21 **quality** means totality of features and characteristics of a product or service that bears on the ability of the product or service to satisfy stated or implied needs;
- 3.22 **scope of work** means the documentation that specifies and describes the engineering and construction works which are to be provided and any other requirements and constraints relating to the manner in which the contract work is to be performed;
- 3.23 **services contract** means the contract for the provision of Labour or work, including knowledge- based expertise, carried out by hand, or with the assistance of equipment and plant;
- 3.24 **site information** means the document that describes the site as at the time of tender, to enable the tenderer to price tender and to decide upon the method of working and programming;
- 3.25 **submission data** means document that establishes the respondent's obligations in responding to a call for an expression of interest and the employer's undertakings in administering the process of calling for and receiving expressions of interest;



- 3.26 **term contract** means a contract that enables the employer to order work during a prescribed period at agreed rate;
- 3.27 **tender data** means the document that establishes the tenderer's obligations in submitting a tender and the employer's undertakings in administering the tender process and evaluating tender offers;
- 3.28 **tenderer** means a cidb registered sole proprietor, partnership or trust who establishes a company or close corporation in terms of the Companies Act, 1973 or the Close Corporations Act, 1984; submitting a tender offer;
- 3.29 **tender notice** means a formal communication to tenderers to submit competitive tenders;
- 3.30 **tender offer** means a written offer to carry out engineering and construction works under given conditions, usually at a stated price, and which is capable of acceptance and conversion into a binding contract;
- 3.31 **threshold** means a monetary value of a procurement contract established in any legislation governing procurement or by the executive of an institution, below which a procedure must be used.

## 4 REQUIREMENTS

### 4.1 GENERAL

Procurement of construction works shall be undertaken in accordance with: a)

The provisions of legislation regulating procurement;

b) The CIDB Code of Conduct for all parties engaged in Construction Procurement published in terms of section 5(4) of the Construction Industry Development Board Act.

## 5 SCOPE OF WORK

5.1 The scope of work shall, wherever possible be:

- a) Described in terms of performance rather than the design or descriptive characteristics, and
- b) Based on national or international standards, where such exist.

5.2 Requirements in the form of specifications, plans, drawings, designs, testing and test methods, packaging, marking or labelling or conformity certification shall not create trade barriers. Reference to any particular trademark, name, patent, design, type, specific origin or producer shall not be made unless there is no other sufficiently precise or intelligible way of describing the characteristics of the work. Such reference shall be accompanied by the words "or equivalent".



## **SECTION 5: TENDERING PROCEDURES**

### **1. Standard Conditions of Tender**

1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in paragraph 2 and .3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

*Note:1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.*

*2)Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.*

1.3 The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

### **2. Tender Documents**

2.1 The documents issued by the employer for the purpose of a tender offer are listed in the tender data.



### 3. Interpretation

3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

3.2 These conditions of tender, the tender data and tender schedules which are required for tender evaluation purposes, shall form part of any contract arising from the invitation to tender.

3.3 For the purposes of these conditions of tender, the following definitions apply:

**a) Conflict of interest means any situation in which:**

- (i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfill his or her duties impartially;
- (ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
- (iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.

**b) Comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilized to have been taken into consideration;

**c) corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;

**d) fraudulent practice** means misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;

### 4. Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.



## 5. Cancellation and re-invitation of tenders

5.1 An employer may, prior to the award of the tender, cancel a tender if-

- (a) Due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation.
- (b) Funds are no longer available to cover the total envisaged expenditure; or (c) No acceptable tenders are received.
- (d) There is a material irregularity in the tender process.

5.2 The decision to cancel a tender invitation will be published in the same manner in which the original tender invitation was advertised

5.3 An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.

## 6. PROCUREMENT PROCEDURES

### 6.1 General

Unless otherwise stated in the tender data, a contract will be concluded with the tenderer who is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

### 6.2 Competitive negotiation procedure

6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of the employer shall announce only the names of the tenderers who make a submission. The requirements relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

6.2.2 All responsive tenderers or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information. Notwithstanding, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.



6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings.

Tenderers shall be advised when they are to submit their best and final offer.

6.2.4 The contract shall be awarded after tenderers have been requested to submit their best and final offer.

## **7. PROPOSAL PROCEDURE USING THE TWO STAGE-SYSTEM**

### **7.1 Option 1**

7.1.1 Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated.

7.1.2 The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

### **7.2 Option 2**

7.2.1 Tenderers shall submit in the first stage only technical proposals.

7.2.2 The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

7.2.3 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data and award the contract in terms of these conditions of tender.

### **7.3 Tenderer's obligations**

#### **7.3.1 Eligibility**

7.3.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

7.3.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

#### **7.3.2 Cost of tendering**

7.3.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

7.3.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available



the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

#### 7.3.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

#### 7.3.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

#### 7.3.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

#### 7.3.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary, apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

#### 7.3.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

#### 7.3.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the tender data.

#### 7.3.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

#### 7.3.10 Pricing the tender offer

7.3.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes except Value Added Tax (VAT), and other levies payable by the successful tenderer,



such duties, taxes and levies being those applicable fourteen (14) days before the closing time stated in the tender data.

7.3.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

7.3.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

7.3.10.4 State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

#### 7.3.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

#### 7.3.12 Alternative tender offers

7.3.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

7.3.12.2 Accept that an alternative tender offer must be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

7.3.12.3 An alternative tender offer must only be considered if the main tender offer is the winning tender.

#### 7.3.13 Submitting a tender offer

7.3.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.

7.3.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

7.3.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language

other than English, and the parts communicated electronically in the same format as they were issued by the employer.

7.3.13.4 Sign the original and all copies of the tender offer where required in terms of the tender data.

The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

7.3.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

7.3.13.6 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

7.3.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

7.3.13.8 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

7.3.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

7.3.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and, in the form, required, may be regarded by the employer as non-responsive.

7.3.15 Closing time

7.3.15.1 Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

7.3.15.2 Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.



### 7.3.16 Tender offer validity

7.3.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.

7.3.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

7.3.16.3 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. If the validity period lapses before the employer evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).

### 7.3.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

### 7.4 The employer's undertakings

#### 7.4.1 Respond to requests from the tenderer

7.4.1.1 Unless otherwise stated in the tender Data, respond to a request for clarification received up to five (5) working days before the tender closing time stated in the Tender Data and notify all tenderers who tendered.

7.4.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- (a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- (b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- (c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

#### 7.4.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) working days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and then notify all tenderers who collected tender documents.

#### 7.4.3 Return late tender offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

#### 7.4.4 Opening of tender submissions

7.4.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

7.4.4.2 Make available the record to all interested persons upon request.

#### 7.4.5 Two-envelope system

7.4.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

7.4.5.2 Evaluate functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on Specific goals. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

#### 7.4.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and



recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

#### 7.4.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

#### 7.4.8 Test for responsiveness

Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- complies with the requirements of these Conditions of Tender,
- has been properly and fully completed and signed, and
- is responsive to the other requirements of the tender documents.

7.4.8.1 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer and not allow it to be subsequently made responsive by correction or withdrawal of the nonconforming deviation.

#### 7.4.9 Arithmetical errors, omissions and discrepancies

7.4.9.1 Check responsive tenders for discrepancies between amounts in words and amounts in figures.

Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.

7.4.9.2 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the pricing schedule or bills of quantities; or c) arithmetic errors in:
  - (i) line-item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
  - (ii) the summation of the prices.

7.4.9.3 Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.

7.4.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:

- a) If bills of quantities or pricing schedules apply and there is an error in the line-item total resulting from the product of the unit rate and the quantity, the line-item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line-item total as quoted shall govern, and the unit rate shall be corrected.
- b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

#### 7.4.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

#### 7.4.11 Evaluation of tender offers

The Standard Conditions of Tender standardize the procurement processes, methods and procedures from the time that tenders are invited to the time that a contract is awarded. They are generic in nature and are made project specific through choices that are made in developing the Tender Data associated with a specific project.

Conditions of tender are by definition the document that establishes a tenderer's obligations in submitting a tender and the employer's undertakings in soliciting and evaluating tender offers. Such



conditions establish the rules from the time a tender is advertised to the time that a contract is awarded and require employers to conduct the process of offer and acceptance in terms of a set of standard procedures.

## **SECTION 6: RETURNABLE DOCUMENTS**

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

The tenderer must complete the following returnable documents:

### **2. List of Returnable Documents required (Mandatory)**

- 2.1 Please refer to the following section in the bid Document under Evaluation Criteria:
- a) Mandatory requirements
  - b) Non-Mandatory requirement
  - c) Functionality

### **3. Required for tender evaluation purposes**

- a) Schedule of Plant and Equipment
- b) Schedule of the Tenderer's Experience (Particulars of Tenderers Projects)
- c) Certificate of Resolution of Board of Directors.
- d) Certificate of Resolution of Board of Directors to enter into a Consortia or Joint Venture.
- e) Certificate of Special Resolution of Consortia or Joint Venture.

### **4. Offer and Acceptance Contract Data Bills of quantities**

### **5. Scope of Works**

### **6. Additional Returnable Schedules for tender evaluation purposes**

- a) CIDB registration certificate in the grading designation stipulated in clause 2.1 above,
- b) A valid South African Revenue Services Tax Pin.
- c) Certified copy of VAT Registration Certificate (if VAT number is not included in tax clearance certificate),
- d) Valid Proof of Registration on the National Treasury's Central Supplier's Database must be accompanying this bid



- e) Certified copy of a Workmen's Compensation Certificate, Act 4 of 2002,
- f) Certified copy of Unemployment Insurance Certificate, Act 4 of 2002,
- g) Certified copy of Certificate of Incorporation (if tenderer is a Company),
- h) Certified copy of Founding Statement (if tenderer is a Closed Corporation),
- i) Certified copy of Partnership Agreement (if tenderer is a Partnership),
- j) Certified copy of Identity Document (if tenderer is a One-man concern),
- k) Joint Venture Agreement (if tenderer is a Joint Venture),
- l) Curriculum Vitae of the person who prepares the Contractor's Health and Safety Plan, and
- m) Curriculum Vitae of the Health and Safety Officer the successful tenderer intends appointing in accordance with the Occupational Health and Safety Act (Act 85 of 1993).
- n) Curriculum Vitae of all supervisory staff
- o) OHS Plan



**SECTION 7: RETURNABLE DOCUMENTS**

**1. Returnable Schedules**

**1.1 Annexure: 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:

	<b>Date</b>	<b>Title of Details</b>
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signature ..... Date \_\_\_\_\_

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

Tenderer



**1.2 Annexure: 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 5.8 of SANS 10845-3 regarding the employer’s handling of material deviations and qualifications.

Page	Clause or item	Proposal

Signature ..... Date \_\_\_\_\_

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

Tenderer .....



### 1.3 Annexure: Compulsory Declaration

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



<b>Section 1: Enterprise details Name of enterprise Contact person</b>		
<b>Email</b>		
<b>Telephone Cell</b>		
<b>Fax</b>		
<b>Physical address</b>		
<b>Postal address</b>		
<b>Section 2: Particulars of companies and close corporations Company / Closed Corporation registration number</b>		
<b>Section 3: SARS information</b>		
<b>Tax reference number</b>		
<b>VAT registration number</b>	(state Not Registered if not registered for VAT)	
<b>Section 4: CIDB registration number CIDB Registration number</b>		
<b>Section 5: Particulars of principals</b>		
<p><b>principal</b> means a natural person who is a partner in a partnership, a sole proprietor, a director of a company established in terms of the Companies Act of 2008 (Act No. 71 of 2008) or a member of a close corporation registered in terms of the Close Corporation Act (Act No. 69 of 1984).</p>		
<b>Full name of principal</b>	<b>Identity number</b>	<b>Personal tax reference number</b>
Attach separate page if necessary		



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

Indicate, by marking the relevant boxes with a cross, if any principal is currently or has been within the last 12 months in the service of any of the following:

- a member of any municipal council
- a member of any provincial legislature
- a member of the National Assembly or the National Council of Provinces
- a member of the board of directors of any Municipal entity
- an official of any municipality or municipal entity
- an employee of any department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act of 1999 (Act No. 1 of 1999)
- a member of an accounting authority of any national or provincial public entity
- an employee of Parliament of a provincial legislature

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

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

Attach separate page if necessary



**Section 7: Record of family member in the service of the state family member:** a person's spouse, whether in a marriage or in a customary union according to indigenous law, domestic partner in a civil union, or child, parent, brother, sister, whether such a relationship results from birth, marriage or adoption

Indicate, by marking the relevant boxes with a cross, if any family member of a principal as defined in section 5 is currently or has been within the last 12 months in the service of any of the following:

- a member of any municipal council
- a member of any provincial legislature
- a member of the National Assembly or the National Council of Provinces
- a member of the board of directors of any Municipal entity
- an official of any municipality or municipal entity
- an employee of any department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act of 1999 (Act No. 1 of 1999)
- a member of an accounting authority of any national or provincial public entity
- an employee of Parliament of a provincial legislature

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

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


Attach separate page if necessary



**Section 8: Record of termination of previous contracts with an organ of state**

Was any contract between the tendering entities, including any of its joint venture partners, terminated during the past five years for reasons other than the employer no longer requiring such works or the employer failing to make payment in terms of the contract?

- Yes
- No (tick appropriate box)

If yes, provide particulars (insert separate page if necessary)

**Section 9: Declaration**

The undersigned, who warrants that he/she is duly authorized to do so on behalf of the tendering entity, confirms that the contents of this Declaration are within my personal knowledge, save where stated otherwise in an attachment hereto, and to the best of my belief is both true and correct, and that:

- i) neither the name of the tendering entity, nor any of its principals, appears on:
  - a) the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004 (Act No. 12 of 2004); or
  - b) National Treasury’s Database of Restricted Suppliers (see [www.treasury.gov.za](http://www.treasury.gov.za))
- ii) the tendering entity or any of its principals has not been convicted of fraud or corruption by a court of law (including a court outside of the Republic of South Africa) within the last five years;
- iii) any principal who is presently employed by the state has the necessary permission to undertake remunerative work outside such employment (attach permission to this declaration);
- iv) the tendering entity is not associated, linked or involved with any other tendering entities submitting tender offers;
- v) the tendering entity has not engaged in any prohibited restrictive horizontal practices, including consultation, communication, agreement, or arrangement with any competing or potential tendering entity regarding prices, geographical areas in which goods and services will be rendered, approaches to determining prices or pricing parameters, intentions to submit a tender or not, the content of the submission (specification, timing, conditions of contract, etc.) or intention to not win a tender;
- vi) the tendering entity has 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;
- vii) neither the tenderer nor any of its principals owes municipal rates and taxes or municipal service charges to any municipality or a municipal entity, and are not in arrears for more than three months;
- viii) SARS may, on an on-going basis during the term of the contract, disclose the tenderer’s tax compliance status to the Employer and, when called upon to do so, obtain the written consent of any subcontractors who are subcontracted to execute a portion of the contract that is entered into in excess of the threshold prescribed by National Treasury, for SARS to do likewise.

Signature \_\_\_\_\_

Date .....



DESCRIPTION CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE .....LD

---

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

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

#### 1.4 Annual Financial Statements Declaration



The undersigned, who warrants that he / she is duly authorized to do so on behalf of the respondent, confirms that:

- 1) The enterprise's financial year end is .....
- 2) The enterprise's financial statements have been prepared in accordance with the provisions of the Companies Act of 2008 or the Close Corporation Act of 1984, as applicable
- 3) The enterprise has compiled its financial accounts [tick one box]:
  - internally  independently
- 4) The following statement applies to the enterprise [tick one box and provide relevant information]
  - enterprise has had its financial statements audited; name of auditor .....
  - enterprise is required by law to have an independent review of its financial statements name of independent reviewer .....
  - enterprise has not had its financial statements audited and is not required by law to have an independent review or audit of such statements
- 5) The attached income statement and balance sheet is a true extract from the financial statements complying with applicable legislation for the preceding financial year within 12 months of the financial year end.

*[Attach the income statement and the balance sheet contained in the financial statement]*

- 6) The annual turnover for the last financial year is R .....
- 7) The total assets as at the end of the last financial year is R .....
- 8) The total liabilities as at the end of the financial year is R .....

I hereby declare that the contents of this Declaration are within my personal knowledge, and save where stated otherwise are to the best of my belief both true and correct.

Signature \_\_\_\_\_

Date .....



DESCRIPTION CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN ... LD

---

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

Tenderer .....



<b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF SPORT, ARTS, CULTURE AND RECREATION</b>					
BID NUMBER:	SACR-INFRA 2025/26		CLOSING DATE:	28 NOV 2025	CLOSING TIME: 11H00
DESCRIPTION	PROVISION FOR CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHFIELD TO THE DEPARTMENT OF SPORT, ARTS, CULTURE AND RECREATION FOR FIFTEEN (15) MONTHS				
<b>BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)</b>					
3 HILLS STREET					
ZANA BUILDING					
BLOEMFONTEIN					
9300					
<b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO</b>			<b>TECHNICAL ENQUIRIES MAY BE DIRECTED TO:</b>		
CONTACT PERSON	Mr. AT RAMABULA NA		CONTACT PERSON	Mr M MBENYA	
TELEPHONE NUMBER	083 707 0210		TELEPHONE NUMBER	066 479 0781	
E-MAIL ADDRESS	ramabulana.ta @sacr.fs.gov.za		E-MAIL ADDRESS	Mbenya.m @sacr.fs.gov.za	
<b>SUPPLIER INFORMATION</b>					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN-BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
<b>QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			<input type="checkbox"/> YES <input type="checkbox"/> NO		
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			<input type="checkbox"/> YES <input type="checkbox"/> NO		
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			<input type="checkbox"/> YES <input type="checkbox"/> NO		
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			<input type="checkbox"/> YES <input type="checkbox"/> NO		
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			<input type="checkbox"/> YES <input type="checkbox"/> NO		



IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.

## INVITATION TO BID

### PART B TERMS AND CONDITIONS FOR BIDDING

#### 1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

#### 2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

**NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.**

SIGNATURE OF BIDDER:

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

.....

(Proof of authority must be submitted e.g. company resolution)

DATE:

.....



**SBD 3.1**

**PRICING SCHEDULE – FIRM PRICES  
(PURCHASES)**

**NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED**

**IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT**

Name of bidder _____	Bid number: <b><u>DSACR-INFRA 2025/26</u></b>
Closing Time <b><u>11:00</u></b>	Closing date: <b><u>28<sup>TH</sup> NOVEMBER 2025</u></b>

OFFER TO BE VALID FOR.....DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY ** (ALL APPLICABLE TAXES INCLUDED)
1	_____	_____	R_____

- Required by: .....
- At: .....
- .....



- Brand and model .....
- Country of origin .....
- Does the offer comply with the specification(s)? \*YES/NO
- If not to specification, indicate deviation(s) .....
- Period required for delivery .....  
 \*Delivery: Firm/not firm
- Delivery basis .....

Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination\*\* “all applicable taxes” includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

SBD4

## BIDDER’S DISCLOSURE

### 1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

### 2. Bidder’s declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest<sup>1</sup> in the enterprise, employed by the state? **YES/NO**

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution



--	--	--

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....  
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

1 the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

.....  
.....

**3 DECLARATION**

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so



required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

2 Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

.....  
Signature Date

.....  
Position Name of bidder

SBD

6.1

**PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022**

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.



**NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022**

## 1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and

### 1.2 To be completed by the organ of state

a) The applicable preference point system for this tender is the **80/20** preference point system.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- (a) Price; and
- (b) Specific Goals.

### 1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
<b>PRICE</b>	<b>80</b>
<b>SPECIFIC GOALS</b>	<b>20</b>
<b>Total points for Price and SPECIFIC GOALS</b>	<b>100</b>

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

## 2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;



- (c) “**rand value**” means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) “**tender for income-generating contracts**” means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) “**the Act**” means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

### 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

#### 3.1. POINTS AWARDED FOR PRICE

##### 3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

##### 80/20

$$Ps = \left( -\frac{P - P_{min}}{P} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

#### 3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

##### 3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

##### 80/20

$$Ps = \left( +\frac{P - P_{min}}{P} \right) \text{ or}$$

Where

Ps = Points scored for price of tender under consideration



Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

#### 4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
  - (b) any other invitation for tender, that either the 80/20 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the and 80/20 preference point system.

**Table 1: Specific goals for the tender and points claimed are indicated per the table below.**

***(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.)***

***Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)***



The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)	Evidence to be submitted by supplier to substantiate the points claimed / allocated per specific goal ( NB: Any of the evidence indicated below per specific goal should be regarded as sufficient)
Free State based company	20		<ol style="list-style-type: none"> <li>1. Municipal Account</li> <li>2. Lease agreement</li> <li>3. Title deeds</li> <li>4. Permission to occupy land signed by the traditional authority</li> <li>5. A letter of confirmation of the address signed by the ward councilor</li> </ol> <p>• Submission of either of the above support documents must be attached</p>

**5. DECLARATION WITH REGARD TO COMPANY/FIRM**

5.1. Name of company/firm.....

5.2. Company registration number: .....

5.3. TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One-person business/sole propriety
- Close corporation
- Public Company
- Personal Liability Company
- (Pty) Limited
- Non-Profit Company
- State Owned Company

[TICK APPLICABLE BOX]



5.4. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct; ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
  - (a) disqualify the person from the tendering process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
  - (e) forward the matter for criminal prosecution, if deemed necessary.

.....  
**SIGNATURE(S) OF TENDERER(S)**

**SURNAME AND NAME:** .....

**DATE:** .....

**ADDRESS:** .....

.....



**SCHEDULE OF PLANT AND EQUIPMENT**

**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	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	Description, size, capacity, etc.

Attach additional pages if more space is required.

Signature \_\_\_\_\_

Date .....



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

Tenderer .....



## Schedule of the Tenderer's Experience (Particulars of Tenderers Projects)

## FORM: PARTICULARS OF TENDERERS PROJECTS

Project title:	APPOINTMENT OF A SUITABLY QUALIFIED CONTRACTOR, JOINT VENTURE OR CONSORTIUM FOR THE CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHFIELD ON BEHALF OF THE FREE STATE DEPARTMENT SPORTS, ARTS, CULTURE AND RECREATION		
Tender no:	DSCAR-INFRA2026/26	Closing date:	28 NOVEMBER at 11h00
Advertising date:	07 <sup>TH</sup> NOVEMBER 2025	Validity period:	120 Days

*Note: The Tenderer is required to furnish the following particulars and to attach additional pages if more space is required. Failure to furnish the particulars will result in the tender offer being disqualified from further consideration.*

## 1. PARTICULARS OF THE TENDERER'S CURRENT AND PREVIOUS COMMITMENTS

## 1.1. Current projects: Appointment letter(s) must be provided to buttress the information supplied below.

Projects currently engaged in	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commencement date	Contractual completion date	Present progress
1						
2						



**DESCRIPTION** CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHS

3							
---	--	--	--	--	--	--	--

	Projects currently engaged in	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commencement date	Contractual completion date	Present progress
5							
6							
7							
8							
9							
10							
11							



**DESCRIPTION** CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITH

12							
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Name of Tenderer	Signature	Date

**Completed projects: Both stamped appointment letter(s) and stamped completion certificates linked to the project(s) listed below must be provided to buttress the information provided**

	Projects completed in the previous 5 (five) years	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commencement date	Contractual completion date	Date of Certificate of Practical Completion
1							
2							
3							
4							
5							



**DESCRIPTION CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHS**

6							
7							
8							

Projects completed in the previous 5 (five) years	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commencement date	Contractual completion date	Date of Certificate of Practical Completion	
9							
10							
11							
12							



Name of Tenderer	Signature	Date
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**Resource Information Sheet (CV) – Registered Construction Project Manager who will be committed to the project at all times**

<b>Professional Registration(s)</b>	
<b>Professional Registration Number(s):</b>	
<b>Date of Birth:</b>	
<b>ID number:</b>	
<b>Employed by:</b>	
<b>Number of years with current employer</b>	
<b>Position held with current employer</b>	



NAME:

SIGNATURE OF RESOURCE: DATE:

Key projects worked on (align to evaluation requirements)	Name of project	Role in Project	Project Value	Duration of Project	Project Start Date	Project End Date	Reference Name	Reference Contact number
1								
2								
3								
4								



**DESCRIPTION** CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITH

5								
6								

<b>Key projects worked on (align to evaluation requirements)</b>	<b>Name of project</b>	<b>Role in Project</b>	<b>Project Value</b>	<b>Duration of Project</b>	<b>Project Start Date</b>	<b>Project End Date</b>	<b>Reference Name</b>	<b>Reference Contact number</b>
7								
8								
9								



**DESCRIPTION** CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHS

10								
11								
12								
<b>Key projects worked on (align to evaluation requirements)</b>	<b>Name of project</b>	<b>Role in Project</b>	<b>Project Value</b>	<b>Duration of Project</b>	<b>Project Start Date</b>	<b>Project End Date</b>	<b>Reference Name</b>	<b>Reference Contact number</b>
13								
14								
15								



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In your opinion why you would be the right resource for this project, based on your experience?

NAME:

SIGNATURE OF RESOURCE: DATE

**Resource Information Sheet (CV) – Competent Construction Supervisor who will strictly focus on the project**

<b>Professional Registration(s)</b>	
<b>Professional Registration Number(s):</b>	
<b>Date of Birth:</b>	



**DESCRIPTION** CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITH

<b>ID number:</b>	
<b>Employed by:</b>	
<b>Number of years with current employer</b>	
<b>Position held with current employer</b>	

SIGNATURE OF RESOURCE: DATE:

Key projects worked on (align to evaluation requirements)	Name of project	Role in Project	Project Value	Duration of Project	Project Start Date	Project End Date	Reference Name	Reference Contact number
1								



**DESCRIPTION** CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHS

2								
3								
4								
5								
6								

<b>Key projects worked on (align to evaluation requirements)</b>	<b>Name of project</b>	<b>Role in Project</b>	<b>Project Value</b>	<b>Duration of Project</b>	<b>Project Start Date</b>	<b>Project End Date</b>	<b>Reference Name</b>	<b>Reference Contact number</b>



**DESCRIPTION** CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITH

7								
8								
9								
10								
11								
12								
<b>Key projects worked on (align to evaluation requirements)</b>	<b>Name of project</b>	<b>Role in Project</b>	<b>Project Value</b>	<b>Duration of Project</b>	<b>Project Start Date</b>	<b>Project End Date</b>	<b>Reference Name</b>	<b>Reference Contact number</b>



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13								
14								
15								
<b>In your opinion why you would be the right resource for this project, based on your experience?</b>								

NAME:

SIGNATURE OF RESOURCE: DATE



**RESOLUTION OF BOARD OF DIRECTORS**

**RESOLUTION** of a meeting of the Board of \*Directors / Members / Partners of:

\_\_\_\_\_

(legally correct full name and registration number, if applicable, of the Enterprise) Held at            (place) on

\_\_\_\_\_ (date) **RESOLVED** that:

- 1 The Enterprise submits a Tender to the Department of Sports, Arts, Culture and Recreation, Free State Province in respect of the following project:

\_\_\_\_\_

(Project description as per Tender Document)

Tender Number: \_\_\_\_\_ (Tender Number as per Tender Document)

- 2 \*Mr/Mrs. /Ms.: \_\_\_\_\_ in

\*his/her Capacity as: \_\_\_\_\_ (Position in the Enterprise) and who will sign as follows: \_\_\_\_\_

be, and is hereby, authorized to sign the Tender, and any and all other documents and/or correspondence in connection with and relating to the Tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the Tender to the Enterprise mentioned above.

	<b>Name</b>	<b>Capacity</b>	<b>Signature</b>
1			
2			
3			
4			
5			
6			
7			
8			

**Note:**

1. \* Delete which is not applicable.
2. **NB** This resolution must be signed by all the Directors / Members / Partners of the Tendering Enterprise.

**ENTERPRISE STAMP**

\_\_\_\_\_



**RESOLUTION OF BOARD OF DIRECTORS TO ENTER INTO CONSORTIA OR JOINT VENTURES**

**RESOLUTION** of a meeting of the Board of \*Directors / Members / Partners of:

\_\_\_\_\_ (Legally correct full name and registration number, if applicable, of the Enterprise)

held at \_\_\_\_\_ (place) on

(date) **RESOLVED** that:

1 The Enterprise submits a Tender, in consortium/joint venture with the following Enterprises:

\_\_\_\_\_ (List all the legally correct full names and registration numbers, if applicable, of the Enterprises forming the consortium/joint venture) to the Department of Sport, Arts, Culture & Recreation, Free State Province in respect of the following project:

\_\_\_\_\_ (Project description as per Tender Document)

Tender \_\_\_\_\_  
Number: \_\_\_\_\_  
(Tender \_\_\_\_\_ (Position in the Enterprise)  
Number as \_\_\_\_\_ per  
Tender \_\_\_\_\_  
Document)

2 \*Mr/Mrs. /Ms.:

in \*his/her Capacity as:

and who will sign as

follows:

be, and is hereby, authorized to sign a consortium/joint venture agreement with the parties listed under item 1 above, and any and all other documents and/or correspondence in connection with and relating to the consortium/joint venture, in respect of the project described under item 1 above.

3 The Enterprise accept joint and several liability with the parties listed under item 1 above for the due fulfillment of the obligations of the joint venture deriving from, and in any way connected with, the Contract to be entered into with the Department in respect of the project described under item 1 above.

4 The Enterprise choose as its *domicilium citandi et executandi* for all purposes arising from this joint venture agreement and the Contract with the Department in respect of the project under item 1 above:

Physical address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



**DESCRIPTION: CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMIT**

(code) \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_ (cod

e) Telephone number: \_\_\_\_\_

(code)

Fax number: \_\_\_\_\_ (code)

	<b>Name</b>	<b>Capacity</b>	<b>Signature</b>
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

DESCRIPTION: CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHFIELD

<p><b>Note:</b></p> <p>1. * Delete which is not applicable.</p> <p>2. <b>NB.</b> This resolution must be signed by all the Directors / Members / Partners of the Tendering Enterprise.</p> <p>3. Should the number of Directors / Members / Partners exceed the space available above, additional names, capacity and signatures must be supplied on a separate page.</p>	<p style="text-align: center;"><b>ENTERPRISE STAMP</b></p>
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DESCRIPTION: CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMI

**SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES**

**RESOLUTION** of a meeting of the duly authorized representatives of the following legal entities who have entered into a consortium/joint venture to jointly tender for the project mentioned below: *(legally correct full names and registration numbers, if applicable, of the Enterprises forming a consortium/joint venture)*

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_
- 4 \_\_\_\_\_
- 5 \_\_\_\_\_
- 6 \_\_\_\_\_
- 7 \_\_\_\_\_
- 8 \_\_\_\_\_

Held at \_\_\_\_\_(place) on \_\_\_\_\_ (date)

**RESOLVED that:**

A. The above-mentioned Enterprises submit a tender in consortium/joint venture to the Department of Sports, Arts, Culture & Recreation, Free State Province in respect of the following project:

\_\_\_\_\_  
*(Project description as per Tender Document)*

Tender Number: \_\_\_\_\_*(Tender Number as per Tender Document)*



**DESCRIPTION: CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMI**

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B. Mr/Mrs. /Ms.: \_\_\_\_\_ in

\*his/her Capacity as: \_\_\_\_\_ (Position in the Enterprise)

and who will sign as follows:

\_\_\_\_\_ be, and is hereby, authorized to sign the tender, and any and all other documents and/or correspondence in connection with and relating to the tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the tender to the Enterprises in consortium/joint venture mentioned above.

C. The Enterprises constituting the consortium/joint venture, notwithstanding its composition, shall conduct all business under the name and style of:

\_\_\_\_\_

D. The Enterprises to the consortium/joint venture accept joint and several liability for the due fulfilment of the obligations of the consortium/joint venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.

E. Any of the Enterprises to the consortium/joint venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the consortium/joint venture as mentioned under item D above.

F. No Enterprise to the consortium/joint venture shall, without the prior written consent of the other Enterprises to the consortium/joint venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.

Physical address: \_\_\_\_\_

DESCRIPTION: CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHFIELD

Postal Address:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone number:

\_\_\_\_\_

G. The Enterprises choose as the *domicilium citandi et executandi* of (code) the consortium/joint venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department (code) in respect of the project under item A above:

(code) Fax number:



## **SECTION 10: PRICING DATA – PRICING INSTRUCTION**

### **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 (Seventh Edition (Revised)), 2015. Where applicable the:
    - a) civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardized Specifications for Civil Engineering Works.
    - b) mechanical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Mechanical Work, published by the South African Association of Quantity Surveyors, July 2005).
    - 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 JBCC Series 2000 Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 4.1, March 2005. The additions, deletions and alterations to the JBCC Principal Building Agreement 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 Bills of Quantities are recited.
  - 3 Preliminary and general requirements are based on the JBCC Series 2000 Code 2103, May 2005 Addition preliminaries for the use of JBCC Series 2000. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
  - 4 It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days 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).
  - 5 The drawings listed in the Scope of Works used for the setting up of these Bills of Quantities are kept by the Principal Agent or Engineer and can be viewed at any time during office hours up until the completion of the works.
-

**DESCRIPTION CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHFIELD**

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- 6 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.
  - 7 Where any item is not relevant to this specific contract, such item is marked N/A (signifying “not applicable”)
  - 8 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 Bills of Quantities
  - 9 The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor’s risk.
  - 10 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.
  - 11 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 10 but taking into account the revised period for completing the works.
  - 12 The amount or 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 Bills of Quantities:
    - a) an amount which is not to be varied, namely Fixed (F)
    - b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
    - c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related
  - 13 Where no provision is made in the Bills of Quantities to indicate which of the three categories in 12 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.

- 14 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.
- 15 Where there is a discrepancy between the tender amount and the corrected amount, the corrected amount shall take precedence after consultation with the bidder. Such corrected amounts shall be confirmed in writing by the bidder.

## **PART C2: PRICING DATA**

### **C2.2 - MAIN BILL OF QUANTITIES**

### **TOGETHER WITH ELECTRICAL SPECIFICATIONS MECHANICAL SPECIFICATIONS**

**DSACR-INFRA 2025/26**  
**Smithfield Multi-Purpose Indoor Sports Centre**  
**Department of Sports, Arts, Culture and Recreation**  
**Free State**

<b>Item No</b>		<b>Quantity</b>	<b>Amount R</b>
--------------------	--	-----------------	---------------------

**BILL NO. 1**

**PRELIMINARIES NOTES**

- i) The **agreement** is to be the JBCC Principal Building Agreement, Edition 4.1 - March 2005, and other contract documents that together form the contract between the employer and contractor.
- ii) The **preliminaries** are to be the JBCC General Preliminaries Edition 4.1 - March 2005 prepared by the Joint Building Contracts Committee, shall be deemed to be incorporated herein.
- iii) Tenderers are referred to the above mentioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary
- iv) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading
- v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")
- vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time

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**Carried to Collection**

**Section No. 1**  
**PRELIMINARIES**  
**Bill No. 1**  
**Preliminaries**  
*Tender Bills of Quantities*

R

Item No		Quantity	Amount R
<b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b>			
<b>Definitions (A1)</b>			
1	Definitions and interpretation (clause 1)F:..... V:..... T:.....	Item	
<b>Objective and Preparation (A2)</b>			
2	Offer acceptance and performance (clause 2)F:..... V:..... T:.....	Item	
<b>Preparation (A3-A14)</b>			
3	Documents (clause 3)F:..... V:..... T:.....	Item	
4	Design responsibility (clause 4)F:..... V:..... T:.....	Item	
5	Employer's agents (clause 5)F:..... V:..... T:.....	Item	
6	Site representative (clause 6)F:..... V:..... T:.....	Item	
7	Compliance with regulations (clause 7)F:..... V:..... T:.....	Item	
8	Works risk (clause 8)F:..... V:..... T:.....	Item	
9	Indemnities (clause 9)F:..... V:..... T:.....	Item	
10	Works insurances (clause 10) F:..... V:..... T:.....	Item	
11	Liability insurances (clause 11)F:..... V:..... T:.....	Item	

		R	
	<b>Carried to Collection</b>		
	<b>Section No. 1</b> <b>PRELIMINARIES</b> <b>Bill No. 1</b> <b>Preliminaries</b> <i>Tender Bills of Quantities</i>		

Item No		Quantity	Amount R
12	Effecting insurance (clause 12)F:..... V:..... T:.....	Item	
13	State Provisions (clause 13) F:..... V:..... T:.....	Item	
14	Security (clause 14)F:..... V:..... T:.....	Item	
	<b>Execution (A15-A23)</b>		
15	Preparation for and execution of the works (clause 15) fixed F:..... V:..... T:.....	Item	
16	Access to the works (clause 16)F:..... V:..... T:.....	Item	
17	Contract instructions (clause 17)F:..... V:..... T:.....	Item	
18	Setting out of the works (clause 18)F:..... V:..... T:.....	Item	
19	Assignment (clause 19)F:..... V:..... T:.....	Item	
20	Nominated subcontractors (clause 20)F:..... V:..... T:.....	Item	
21	Selected subcontractors (clause 21)F:..... V:..... T:.....	Item	

22	Employer's Direct Contractors (clause 22) F:..... V:..... T:.....			
		Item		
23	Contractor's Domestic Sub-Contractors (Clause 23) F:..... V:..... T:.....			
		Item		
			R	
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Item No		Quantity	Amount R	
	<b>Completion (A24-A30)</b>			
24	Practical completion (clause 24)F:..... V:..... T:.....			
		Item		
25	Works completion (clause 25)F:..... V:..... T:.....			
		Item		
26	Final completion (clause 26)F:..... V:..... T:.....			
		Item		
27	Latent defects liability period (clause 27)F:..... V:..... T:.....			
		Item		
28	Sectional completion (clause 28)F:..... V:..... T:.....			
		Item		
29	Revision of date of practical completion (clause 29)F:..... V:..... T:.....			
		Item		
30	Penalty for non-completion (clause 30)F:..... V:..... T:.....			
		Item		

<b>Payment (A31 - A35)</b>			
31	Interim payment to the contractor (clause 31)F:..... V:..... T:.....	Item	
32	Adjustment to the contract value (clause 32)F:..... V:..... T:.....	Item	
33	Recovery of expense and loss (clause 33)F:..... V:..... T:.....	Item	
34	Final account and final payment (clause 34)F:..... V:..... T:.....	Item	
35	Payment to other parties (clause 35) F:..... V:..... T:.....	Item	
		R	
			<b>Carried to Collection</b>
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Item No		Quantity	Amount R
<b>Cancellation (A36-A39)</b>			
36	Cancellation by employer - contractor's default (clause 36)F:..... V:..... T:.....	Item	
37	Cancellation by employer - loss and damage (clause 37)F:..... V:..... T:.....	Item	
38	Cancellation by contractor - employer's default (clause 38)F:..... V:..... T:.....	Item	
39	Cancellation - cessation of the works (clause 39)F:..... V:..... T:.....	Item	

40	<p><b>Dispute (A40)</b></p> <p>Dispute Settlement (clause 40)</p> <p>F:..... V:..... T:.....</p> <p><b>Contract variables (A41)</b></p> <p><b>THE SCHEDULE</b></p> <p>Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder</p>	Item	
41	<p>Pre-tender information (clause 41)</p> <p>F:..... V:..... T:.....</p>	Item	
	<b>Carried to Collection</b>		
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Item No	41.1	Quantity	Amount R
	<p>42.1.1 Employer: and Re Postal Address: Warden f <b>AND OTHER PARTIES</b>  Department of Sports, Arts, Culture</p> <p>Telephone: Fax: e- 58 Henry Street mail: Bloemfontein Domicilium: 9301.  051 410 3679</p> <p>Wadern Building 58 Harry Street Bloemfontein 9301</p> <p>41.1.2 Agents service: Agent (1) Project Manager Quantum Built and Environment consultants (Pty) Ltd.</p> <p>Address: 74 Stals Road Wilgehof Bloemfontein 9301</p> <p>Telephone: 051 430 8240 Facsimile: 051 430 8610</p>		

Email: siyasanga@quantumbuilt.co.za

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Item No		Quantity	Amount R
41.1.3	Agents service: Architect Agent (2) TKDS Architects Postal Address: Regus Business Centre Ground Floor Unit Park Building 082 Vodacom Lane, Nobel Street Brandwag Bloemfontein  Telephone: 051 101 4143  Email: hymne@tkdsg.co.za		
41.1.4	Agents service: Quantit r Surveyor Agent (3) Quantum Built and Environment consultants (Pty) Ltd. Address: 74 Stals Road Wilgehof Bloemfontein 9301  Telephone: 051 430 8240 Facsimile: 051 430 8610		

Email: siyasanga@quantumbuilt.co.za

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Item No		Quantity	Amount R
41.1.5	Agents service: Structural Engineer		
Agent (4)	BVI Consulting Engineer		
Postal Address: P.O. Box 12441	Brandhof Bloemfontein 9324		
Telephone:	051 447 2137		
Email:	<a href="mailto:johnnieh@bvi.co.za">johnnieh@bvi.co.za</a>		
41.1.5	Agents service: Civil Engineer		
Agent (5)	BVI Consulting Engineer		
Postal Address: P.O. Box 12441	Brandhof Bloemfontein 9324		
Telephone:	051 447 2137		

<p>Email: <a href="mailto:luckym@bvi.co.za">luckym@bvi.co.za</a></p> <p>41.1.6                  Agents service: Electrical Engineer</p> <p>Agent (6)                  BVI Consulting Engineer</p> <p>Postal Address: P.O. Box 12441                  Brandhof                  Bloemfontein                  9324</p> <p>Telephone: 051 447 2137</p> <p>Email: <a href="mailto:johanb@bvi.co.za">johanb@bvi.co.za</a></p>	<p><b>Carried to Collection</b></p>	<p>R</p>
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Item No	Quantity	Amount R
<p>41.1.7                  Agents Service : Mechanical Engineer</p> <p>Agent (7)                  BVI Consulting Engineer</p> <p>Postal Address: P.O. Box 12441                  Brandhof                  Bloemfontein                  9324</p> <p>Telephone: 051 447 2137</p> <p>Email: <a href="mailto:mechfs@bvi.co.za">mechfs@bvi.co.za</a></p>		
<p>41.1.8                  Agents Service : Occupational Health &amp; Safety Consultants</p>		

Agent (6)	Silver Mile Trading		
Postal Address: 97 Pelli	ssier Drive Pellisier Bloemfontein 9301		
Telephone:	073 515 5002		
E-mail:	asanda@silvermile.co.za		
<b>Section No. 1                  PRELIMINARIES                  Bill No. 1                  Preliminaries                  Tender Bills of                  Quantities</b>	<b>Carried to Collection</b>	R	

Item No	Quantity	Amount R
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**41.2 CONTRACT DETAILS**

41.2.1 Works Description:

Construction of proposed new Multi-purpose indoor sports in Smithfield complete with:

1. Building works consisting of:
  - b. Earthworks
  - b. Concrete floors, columns, walls and roof slabs
  - c. Foundation and Super-structure Brick walls and Face brick External Finishes
  - d. Iron Roof Sheeting
  - e. Aluminium Windows
2. Electrical Installation, 3. Mechanical Installation, and
4. External Works.

41.2.2 Site Description:

ERF: 1117, Mofulatshepe Township Extension 03, Smithfield

Latitude (North or South): -30° 22' 22"

Longitude (East or West): 26° 53' 00"

41.2.3 Work or installations by direct contractors:

N/A

41.2.4 This agreement is for a government contract:

Yes

41.2.5 Date on which possession of the site is intended to be given:

*To be advised*

41.2.6 Period for the commencement of the works after the contractor takes possession of the site

**Nil** *working days*

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41.2.7 Intended date of practical completion and the penalty per calendar day for the works **as a whole**

**12 Calendar months** after contract commencement including builders holidays

Penalty: **1,75 cents per R100** of construction amount per Calendar Day.

41.2.8 Intended date of practical completion and the penalty per calendar day for the works in **sections**:

**Section 1**

..... Date

R..... Penalty Amount

**Section 2**

..... Date

R..... Penalty Amount

**Section 3**

..... Date

R..... Penalty Amount

**Section 4**

..... Date

R..... Penalty Amount

41.2.9 The law applicable to this agreement shall be that of

(country)  
**Republic of South Africa**

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**41.3 INSURANCES**

41.3.1 Contract works insurance to be effected by:

*Contractor:*

*For the Sum of Contract Sum + 20%*

*With a deductible of (To be decided by the contractor)*

41.3.2 Supplementary insurance is required

Yes

41.3.3 Public liability insurance to be effected by:

*Contractor:*

*For the Sum of R5 000 000.00*

*With a deductible of (To be decided by the contractor)*

**41.4 DOCUMENTS**

41.4.1 Waivers of **contractors lien** or right of continuing possession is required

No

41.4.2 Number of construction document copies to be supplied to the **contractor** free of charge:

*3 (Three) Number of*

41.4.3 **Bills of Quantities/Lump sum document** schedule of rates drawn up in accordance with:

*ASAQS Standard System of Measuring Building Work: Seventh Edition, revised in 2015*

41.4.4 On acceptance of the tender the bills of quantities/lump sum document is to be submitted within **working days**

*Priced bills of quantities to be submitted with tender form of acceptance.*

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Item No		Quantity	Amount R
	41.4.5 JBCC Engineering General Conditions are to be included in the <b>contract documents:</b>		
	<i>No</i>		
	41.4.6 The contract value is to be adjusted using escalation adjustment indices		
	Yes Where <b>JBCC CPAP</b> is to be used <i>Base Month (To be advised)</i>		
	41.4.7 Details of changes made to the provision of JBCC standard documentation: <i>[An addendum is to be attached should the space provided be insufficient]</i>		
	.....		
	.....		
	.....		
	.....		
	.....		
	.....		
	<b><u>SECTION B: PRELIMINARIES</u></b>		
	<b>Definition and interpretation (B1)</b>		
	Definition and interpretation (B1.1 - B1.6.5)F:.....		
42	V:..... T:.....	Item	
43	<b>Documents (B2)</b>		
	Checking of documents (B2.1)F:..... V:.....		
	T:.....	Item	

		R	
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Item No		Quantity	Amount R
44	Provisional bills of quantities (B2.2)F:..... V:..... T:.....	Item	
45	Availability of construction documentation (B2.3) F:..... V:..... T:.....	Item	
46	Interests of agents (B2.4)F:..... V:..... T:.....	Item	
47	Priced documents (B2.5)F:..... V:..... T:.....	Item	
48	Tender submission (B2.6)F:..... V:..... T:.....	Item	
	<b>The site (B3)</b>		
49	Defined works area (B3.1)F:..... V:..... T:.....	Item	
50	Geotechnical investigation (B3.2)F:..... V:..... T:.....	Item	
51	Inspection of the site (B3.3)F:..... V:..... T:.....	Item	
52	Existing premises occupied (B3.4)F:..... V:..... T:.....	Item	
53	Previous work - dimensional accuracy (B3.5)F:..... V:..... T:.....	Item	

54	Previous work - defects (B3.6)F:..... V:..... T:.....	Item		
55	Services - known (B3.7)F:..... V:..... T:.....	Item		
56	Services - unknown (B3.8)F:..... V:..... T:.....	Item		
		R		
				<b>Carried to Collection</b>
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Item No		Quantity		Amount R
57	Protection of trees etc (B3.9)F:..... V:..... T:.....	Item		
58	Articles of value (B3.10)F:..... V:..... T:.....	Item		
59	Inspection of adjoining properties etc (B3.11)F:..... V:..... T:.....	Item		
	<b>Management of contract (B4)</b>			
60	Management of the works (B4.1)F:..... V:..... T:.....	Item		
61	Programming for the works (B4.2)F:..... V:..... T:.....	Item		
62	Progress meetings (B4.3)F:..... V:..... T:.....	Item		
63	Technical meetings (B4.4)F:..... V:..... T:.....	Item		

<b>Samples and shop drawings (B5)</b>			
64	Samples of materials (B5.1)F:..... V:..... T:.....	Item	
65	Workmanship samples (B5.2)F:..... V:..... T:.....	Item	
66	Shop drawings (B5.3)F:..... V:..... T:.....	Item	
<b>Temporary works and plant (B6)</b>			
67	Deposits and fees (B6.1)F:..... V:..... T:.....	Item	
68	Enclosure of the works (B6.2)F:..... V:..... T:.....	Item	
			R
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Item No		Quantity	Amount R
69	Advertising (B6.3)F:..... V:..... T:.....	Item	
70	Plant, equipment, sheds and offices (B6.4)F:..... V:..... T:.....	Item	
71	Main notice board (B6.5)F:..... V:..... T:.....	Item	
72	Subcontractors notice board (B6.6)F:..... V:..... T:.....	Item	
<b>Temporary services (B7)</b>			
73	Location (B7.1)F:..... V:..... T:.....	Item	

74	Water (B7.2)	<b>Alternative A shall apply</b>		
	F:..... V:..... T:.....		Item	
75	Electricity (B7.3)	<b>Alternative A shall apply</b>		
	F:..... V:..... T:.....		Item	
76	Telecommunication equipment (B7.4)	<b>Alternative A shall apply</b>		
	F:..... V:..... T:.....		Item	
77	Ablution facilities (B7.5)	<b>Alternative A shall apply</b>		
	F:..... V:..... T:.....		Item	
78	<b>Prime cost amounts (B8)</b>			
	Responsibility for prime cost amounts (B8.1)F:.....			
	V:..... T:.....		Item	
			R	
		<b>Carried to Collection</b>		
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Item No			Quantity	Amount R
	<b>Attendance on N/S Subcontractors (B9)</b>			
79	General attendance (B9.1)F:..... V:..... T:.....		Item	
80	Special attendance (B9.2)F:..... V:..... T:.....		Item	

81	Commissioning - Fuel, water and power (B9.3)F:..... V:..... T:.....	Item	
	<b>Financial aspects (B10)</b>		
	Statutory taxes, duties and levies (B10.1)F:..... V:..... T:.....	Item	
82	Payment of preliminaries (B10.2) <b>Alternative B shall apply</b> F:..... V:..... T:.....	Item	
83	Adjustment of preliminaries (B10.3)F:..... V:..... T:.....	Item	
84	Payment certificate cash flow (B10.4)F:..... V:..... T:.....	Item	
85	Contractor information supply (B10.5)F:..... V:..... T:.....	Item	
	<b>General (B11)</b>		
86	Protection of works (B11.1)F:..... V:..... T:.....	Item	
87	Protection/isolation of existing/sectionally occupied works (B11.2)F:..... V:..... T:.....	Item	
88	Site security (B11.3)F:..... V:..... T:.....	Item	
		R	
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89	Notice before covering work (B11.4)F:..... V:..... T:.....	Item	
90	Disturbance (B11.5)F:..... V:..... T:.....	Item	
91	Works cleaning and clearing (B11.6)F:..... V:..... T:.....	Item	
92	Vermin (B11.7)F:..... V:..... T:.....	Item	
93	Overhand work (B11.8)F:..... V:..... T:.....	Item	
<b>Schedule of variables (B12)</b>			
94	Pre-tender information (B12.1)F:..... V:..... T:.....	Item	

12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional:	No	
12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete	Yes	
12.1.3 Interest of agents (B2.4)  <i>None</i>		
12.1.4 Defined works area (B3.1)  <i>Refer to the attached Architectural Site Development Plan</i>		
12.1.5 Geotechnical investigation (B3.2)  <i>Attached herewith</i>		
12.1.6 Existing premises occupied (B3.4)  <i>No</i>		
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12.1.7 Services - known (B3.7)

*Existing services and points of connection are known and will be pointed out on site by the Principal Agent.*

12.1.8 Protection of trees (B3.9)

N/A

12.1.9 Inspection of adjoining properties (B3.11)

N/A

12.1.10 Enclosure of the works (B6.2)

*Site to be properly barricaded with controlled access.*

12.1.11 Offices (B6.4.3)

The contractor shall provide, maintain and remove on completion of the works an office for meetings purposes, amongst others, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, meeting table, chairs, drawing stool and drawing board. The office shall be kept clean and fit for use at all times

12.1.12 Main notice board (B6.5)

*One main notice board is required.*

12.1.13 Subcontractors notice board (B6.6)

A notice board is required No

12.1.14 Water (B7.2)

Alternative Selected: A

12.1.15 Electricity (B7.3)

Alternative selected: A

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Item No		Quantity	Amount R
	12.1.16 Telecommunications (B7.4) Alternative selected: A		
	12.1.17 Ablution facilities (B7.5) Alternative selected: A		
	12.1.8 Special attendance (B9.2)  Subcontractor (1) details:  N/A		
	12.1.19 Protection of the works (B11.1)		
	12.1.20 Protection of existing/sectionally occupied works (B11.2) Protection is required No		
	12.1.21 Disturbance (B11.5)  <i>Refer to clause B3.4</i>		
95	Post tender information (B12.2)F:..... V:..... T:.....	Item	

<p>12.2.1 Payment of preliminaries Alternative selected: A</p> <p>12.2.2 Adjustment of preliminaries Alternative selected:</p> <p>12.2.3 Additional agreed preliminaries items</p> <p>.....-</p> <p>.....-</p> <p>.....-</p>			
<p><b>Section No. 1</b> <b>PRELIMINARIES</b> <b>Bill No. 1</b> <b>Preliminaries</b> <i>Tender Bills of Quantities</i></p>	<p><b>Carried to Collection</b></p>	<p>R</p>	

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96	<p><b><u>SECTION C: SPECIFIC PRELIMINARIES</u></b></p> <p><b>Section C: Specific Preliminaries:</b></p> <p>Proprietary branded products</p> <p>The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instructions after consultation with the manufacturer's authorised representative.</p> <p>F:.....V:..... T:.....</p>	Item	

97	<p>Overtime</p> <p>Tenderers will be allowed to work two shifts in order to meet the completion date. Any costs associated with this requirement will be priced under this item</p> <p>Should overtime be required to be worked for any other reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer.</p> <p>F:..... V:..... T:.....</p>	Item	
98	<p>As built drawings</p> <p>The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records.</p> <p>F:..... V:..... T:.....</p>	Item	
99	<p>Site instructions</p> <p>Contract instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor.</p> <p>F:..... V:..... T:.....</p>	Item R	
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100	<p>Non Cession of Monies</p> <p>The Contractor shall NOT cede nor assign his rights or claims to any monies due or to become due under this contract.</p> <p>F:..... V:..... T:.....</p>	Item	

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101	<p>Labour record</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day.</p> <p>F:.....V:..... T:.....</p>			
				Item
102	<p>Plant record</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.</p> <p>F:.....V:..... T:.....</p>			
				Item
103	<p>Community Liaison Officer</p> <p>The Contractor shall employ one Community Liaison Officer (CLO), nominated by the community for full duration of the contract. The duties of the CLO and the conditions of employment shall be in accordance with Annexure D Agreement of Temporary Employment as Community Liaison Officer attached to these Bills of Quantities</p>			Item
				R
				<b>Carried to Collection</b>
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Community involvement

It is a prerequisite and condition of tender that the successful Contractor continuously employ a minimum of 50% of the on site workforce (excluding specialist subcontractors e.g. Electrical installation workforce, etc) in respect of unskilled labour requirements, from local residents living in the immediate vicinity and/or surrounding local communities for the respective building works at normal wage rates.

The representative / agent shall be empowered to inspect the books and records of the contractor from time to time to ensure that this requirement is met. Should it become apparent that this condition is not complied with, the representative / agent shall close down the works until such time as this requirement is met. Any such work stoppages will be for the Contractor/s account. Any difficulty experienced by the Contractor in the procurement of the required percentage of local labour is to be immediately referred to the representative / agent.

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**conomic Development (LED)**

Department's decision on LED implementation, its strategies and the of arriving at a LED strategy is that, Local economic development n to create jobs by making the local economy grow. As part of the , in any project that belongs to the Department of Ports, Arts and there MUST be a subcontracting of the works to at least a minimum of the value of the contract so as to make the economy grow and income opportunities for more people, especially the poor.

**nciples underlying Local Economic Development include:**

- making job creation and poverty alleviation a priority in any LED strategy targeting previously disadvantaged people, marginalized communities and geographical regions, black economic empowerment enterprises and SMMEs to allow them to participate fully in local economies.
- promoting local ownership, community involvement, local leadership and joint decision-making.
- involving local and national partnerships between communities, businesses and government to solve problems, create joint business ventures, and build local areas. using local resources and skills.
- integrating diverse economic initiatives in a comprehensive approach to local development applying flexible approaches to responding to changing conditions.

**Carried to Collection**

**MINARIES**

**Section No. 1**

**Bill No. 1** *Bills of Quantities*

**Preliminaries**

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Item No		Quantity	Amount R
105	<p>It is a prerequisite and condition of tender that the successful Contractor ensures a minimum of 30% of the works (including specialist subcontractors e.g. Electrical installation workforce, etc.) in respect of Local Economic Development requirements, from local residents living in the immediate vicinity and/or surrounding local communities for the respective building works at market related rates.</p> <p>The representative / agent shall be empowered to inspect the books and records of the contractor from time to time to ensure that this requirement is met. Should it become apparent that this condition is not complied with, the representative / agent shall close down the works until such time as this requirement is met.</p> <p>Any such work stoppages will be for the Contractor/s account. Any difficulty experienced by the Contractor in the procurement of the required percentage of local economic development is to be immediately referred to the representative / agent.</p> <p>The tenderer is to allow attending to the Local Economic Development as stipulated in the notes as well as for any potential risks associated with the procurement of the local sub-contractors.</p> <p>F:.....V:..... T:.....</p>	Item	

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	<p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries <i>Tender Bills of Quantities</i></p>	<p>Carried to Collection</p>	<p>R</p>
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Item No		Quantity	Rate	Amount R
	<p><b><u>BILL NO.1</u></b></p> <p><b><u>EARTHWORKS, ETC. (PROVISIONAL)</u></b></p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><u>Nature of ground</u></p> <p>The founding conditions are described in a soils investigation report in Annexure A (Geotech Investigation) at the back of these bills of quantities titled "Geotechnical Investigation".</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material</p> <p><b>EXCAVATION, FILLING, ETC OTHER THAN BULK</b></p> <p><u>Excavate in compacted pickable material not exceeding 2m deep below reduced or filled up ground level and deposit on site where directed.</u></p>			
1	Excavate for surface trenches.	m3	257	
	<p><u>Excavate in compacted pickable material exceeding 2m and not exceeding 4m deep below reduced or filled up ground level and deposit on site where directed.</u></p> <p>Trenches</p>			
2		m3	9	

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Item No		Quantity	Rate	Amount R
	<u>Excavate back from the vertical face of excavations to the extent required for the insertion and removal of form work and afterwards return, fill in and ram.</u>  Excavate back from the face of trench excavations exceeding 500mm and not exceeding deep and 300 mm between the structure and the sides to be excavated back.			
3		m2	706	
4	Excavate back from the face of column bases exceeding 500 mm and not exceeding 1,5 m deep and 300 mm between the structure and the side to be excavated back.			
	<b>SUNDRIES</b>			
		m2	525	
	<u>Extra over all excavations for carting away</u>			
5	Extra over all excavations for carting away excavated material as described to a dumping site to be located by the contractor (Contractor to allow for bulking).	m3	1,689	
	<u>Risk of collapse of excavations</u>			
6	Allow for the risk of collapse to sides of trenches and holes from ground level not exceeding 1,5 m deep.	m2	1,448	
7	<u>Keeping excavations free of water</u>		Item	
	Allow for keeping excavations free of water and mud by pumping or bailing.			

	<b>Carried to Collection</b>		R	
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 1</b> <b>Earthworks</b> <i>Tender Bills of Quantities</i>			

Item No		Quantity	Rate	Amount R
	<b>FILLING, ETC:</b>			
	<u>Earth filling obtained from the excavations including haulage approximately 100m from perimeter of excavations</u>			
8	Backfill, saturated to optimum moisture content and compacted to 95% modified AASHTO into trenches.	m3	538	
9	Backfill, saturated to optimum moisture content and compacted to 95% modified AASHTO under floors.	m3	324	
10	<u>Coarse river sand filling supplied by the contractor</u>  50mm Thick layer of approved clean sand filling under surface beds.			
	<b>SOIL POISONING</b>	m3	102	
	<u>Saturate ground under solid floors, etc. with ant poisoning consisting of a 5% solution of Pentachlorophenol in mineral oil, sprayed or poured onto ground with a can with a coarse rose using 4 litres of mixture to each square metre of surface area.</u>			
11	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	2,029	

12	To bottoms and sides of trenches etc.	m2	3,423		
<b>Carried to Collection</b>					
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Item No		Quantity	Rate	Amount	R
	<b>COMPACTION OF SURFACES</b>				
13	<u>Compaction of surfaces</u>  Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density				
	<b>DENSITY TESTS</b>				
	<u>Prescribed density tests on filling</u>				
14	"Modified AASHTO Density" test	m2	2,045		
		No	8		

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15	"Road Indicator" test	No	19	
<b>Carried to Collection</b>				R
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Item No		Quantity	Rate	Amount R
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**BILL NO. 2**

**CONCRETE, FORMWORK AND REINFORCEMENT**

For preambles see "Model Preambles for Trades"

**SUPPLEMENTARY PREAMBLES**

Cost of tests

Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately)

Formwork

Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.

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Item No		Quantity	Rate	Amount R	
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Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described

Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons.

Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"

Provisional quantities allowing for the formwork described above together with the associated excavation for working space, have been measured in these Bills of Quantities.

In the final account, these provisional quantities will be omitted and formwork to be measured will be determined by the initial prescription and/or subsequent authorised instructions of the structural engineer, together with formwork determined by the quantity surveyor as being necessary as defined above

For tendering purposes, the structural engineer has indicated that, for design purposes, he will require formwork to all the sides of the following concrete elements below ground level:

Column bases, and strip footings

The structural engineer reserves the right to vary the above requirements at any time during the construction period at his discretion

**Carried to Collection**

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Item No		Quantity	Rate	Amount R
	<b>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>			
	<u>15MPa/19mm concrete</u>			
1	Surface blinding under footings and bases	m3	46	
	<b>REINFORCED CONCRETE</b>			
	<u>25MPa/19mm concrete</u>			
2	Strip footings	m3	27	
3	Foundation beams	m3	43	
4	Ramps	m3	21	
	<u>30MPa/19mm concrete</u>			
5	Surface beds cast in panels on waterproofing	m3	278	
6	Slabs, including beams and inverted beams	m3	90	
7	Stairs including landings, beams and inverted beams	m3	158	
8	Isolated beams	m3	9	
9	Columns	m3	45	
10	Walls in foundations (Provisional)	m3	3	
11	Walls	m3	8	
12	Vanity slabs, cupboard slabs, cover slabs, etc	m3	0.2	
13	Hood slabs	m3	9	
14	Steps, urinal steps, cupboard platforms, etc	m3	2	

<b>TEST CUBES</b>	R
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Item No		Quantity	Rate	Amount R
15	<u>Test Cubes</u>  Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	No	100	
	<b>CONCRETE SUNDRIES</b>			
	<u>Finishing top surfaces of concrete smooth with a power float</u>  Surface beds, slabs, etc	m2	2,132	
16	<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>  Surface beds, slabs, etc	m2	286	
17	Ramps to falls	m2	157	
	<u>Sikaflor Curehard-24 or equal and approved 1-part sodium silicate clear surface hardener</u>  On Floor, landings, treads and risers			
19	<b>ROUGH FORMWORK</b>  <u>Rough formwork to sides</u>	m2	631	
20	Strip footings (Provisional)	m2	198	
21	Walls in foundations (Provisional)	m2	24	

22	Steps	m2	1		
23	Inverted beams	m2	100		
24	Isolated beams	m2	78		
25	Rectangular columns total height not exceeding 3,5m above bearing level	m2	43		
<b>Carried to Collection</b>					
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 2</b> <b>Concrete, Formwork &amp; Reinforcement</b> <i>Tender Bills of Quantities</i>					
				R	

Item No			Quantity	Rate	Amount R
26	Square columns total height not exceeding 3,5m above bearing level	m2	200		
27	Rectangular columns with total height exceeding 3,5m and not exceeding 5m above bearing level	m2	19		
28	Square columns with total height exceeding 3,5m and not exceeding 5m above bearing level	m2	152		
29	Rectangular columns with total height exceeding 5m and not exceeding 6,5m above bearing level	m2	19		
30	Square columns with total height exceeding 5m and not exceeding 6,5m above bearing level	m2	152		
31	Rectangular columns with total height exceeding 6,5m and not exceeding 8m above bearing level	m2	7		
32	Square columns with total height exceeding 6,5m and not exceeding 8m above bearing level	m2	94		

33	Square columns with total height exceeding 8m and not exceeding 9,5m above bearing level	m2	59		
34	Edges, risers, ends and reveals exceeding 300mm high or wide	m2	97		
35	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	372		
36	Sloping and stepped outer edges of stairs not exceeding 300mm high extreme	m	132		
37	<u>Rough formwork to soffits</u>  Slabs with sloping soffits exceeding 250mm and not exceeding 500mm thick propped up exceeding 500mm thick propped up exceeding 3,5m and not exceeding 5m high	m2	236	R	
<b>Carried to Collection</b>					
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Item No		Quantity	Rate	Amount R
38	Slabs propped up exceeding 3,5m and not exceeding 5m high	m2	19	
39	Isolated beams	m2	17	
40	Stairs with sloping soffits propped up between 0m and 2,380m high	m2	283	
	<u>Smooth formwork to form</u>			
41	Opening exceeding 1m and not exceeding 2m girth through not exceeding 300mm slab (Provisional)	No	5	

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42	150mm Diameter opening through not exceeding 300mm slab (Provisional)	No	5		
43	300mm Diameter opening through not exceeding 300mm wall or beam (Provisional)	No	5		
	<u>21mm Thick Shutterply board permanent shuttering formwork to soffits, fixed to slats</u>				
44	Vanity slabs, cupboard slabs, cover slabs, etc	m2	2		
45	<u>Boxing in special formwork to form</u>	m	4		
	25mm Radius bullnose edge along top				
<b>Carried to Collection</b>					
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Item No		Quantity	Rate	Amount R
	<b>SMOOTH FORMWORK (DEGREE OF ACCURACY 1)</b>			
	<u>Smooth formwork to soffits</u>			
46	Slabs	m2	5	

	<u>Smooth formwork to sides</u>			
47	Walls with total height exceeding 1,5m and not exceeding 3,5m above bearing level	m2	72	
48	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	16	
	<b>MOVEMENT JOINTS ETC</b>			
	<u>Expansion joints with soft board between vertical concrete surfaces</u>			
49	10mm Joints not exceeding 300mm high	m	101	
	<u>Expansion joints with jointex between vertical concrete and brick surfaces</u>			
50	10mm Joints exceeding 300mm high or wide	m2	387	
51	10mm Joints not exceeding 300mm high along edges of surface beds	m	961	
52	10mm Joints not exceeding 300mm wide along edges of columns	m	183	
53	<u>Saw cut joints</u>	m	597	
	30 x 10mm Saw cut joints in top of concrete			
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Item No		Quantity	Rate	Amount R
54	<u>Vertical joggle construction joints through concrete, including thick cement slurry to one face</u> Slabs not exceeding 300mm thick	m	61	
	<b>REINFORCEMENT (PROVISIONAL)</b>			
	<u>Mild steel reinforcement to structural concrete work</u>			
55	12mm Diameter bars	t	43.22	
56	10mm Diameter bars	t	9.29	
57	8mm Diameter bars	t	9.29	
	<u>High tensile steel reinforcement to structural concrete work</u>			
58	32mm Diameter bars	t	43.10	
59	25mm Diameter bars	t	6.00	
60	20mm Diameter bars	t	2.68	
61	16mm Diameter bars	t	16.12	
62	12mm Diameter bars	t	1.66	
63	10mm Diameter bars	t	5.52	
	<u>Fabric reinforcement</u>			
64	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	765	
65	Type 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	1,200	

<b>Carried to Collection</b>			R	
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 2</b> <b>Concrete, Formwork &amp; Reinforcement</b> <i>Tender Bills of Quantities</i>				

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Item No		Quantity	Rate	Amount R
	<p><b><u>BILL NO. 3</u></b></p> <p><b><u>MASONRY</u></b></p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>SAMPLES</u></p> <p>Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site</p> <p><b>FOUNDATIONS (PROVISIONAL)</b></p> <p><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar</u></p>			
1	Half brick walls	m2	78	
2	270mm Cavity brick walls	m2	323	

	<b>Carried to Collection</b>		R	
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Item No		Quantity	Rate	Amount R
	<b>SUPERSTRUCTURE</b>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
3	Half brick walls	m2	304	
4	Half brick linings to concrete	m2	39	
5	270mm Cavity brick walls	m2	2,438	
	<u>Brickwork reinforcement</u>			
6	75mm Wide reinforcement built in horizontally	m	15,632	
7	150mm Wide reinforcement built in horizontally	m	13,464	
	<u>Concrete pre stressed fabricated lintels</u>			
8	110 x 70mm Lintels in lengths not exceeding 3m	m	362	
9	110 x 70mm Lintels in lengths exceeding 3m and not exceeding 4,5m	m	88	
10	110 x 70mm Lintels in lengths exceeding 4,5m and not exceeding 6m	m	57	

11	<u>Galvanised hoop iron cramps, ties, etc</u>  40 x 1,6mm x 1360mm long "Tibond" or equal and approved wall tie strips shot pinned to concrete and with ties bent out and built into brickwork	No	2,230		
	<b>Carried to Collection</b>			R	
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 3</b> <b>Masonry</b> <i>Tender Bills of Quantities</i>				

Item No			Quantity	Rate	Amount R
	<b>FACE BRICKWORK</b>  <u>Facebricks Prime Cost Of R6 500.00 Per Thousand Excluding VAT Delivered To The Site Pointed With Square Recessed Horizontal And Vertical Joints.:</u>				
	Extra over brickwork for face brickwork in foundations.				
12		m2	33		
13	Extra over brickwork for face brickwork.	m2	946		
14	Extra over brickwork for face brick work in brick-on-edge header lintel 230mm wide.	m	176		
15	220mm Wide brick od edge header course sills set sloping and slightly projecting.	m	5		

16	Extra over brickwork for brick-on-edge header course band  <b>NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS</b>	m	59		
17	<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc.:</u>  24 x 120mm Window sills set flat and slightly projecting.	m	150		
<b>Carried to Collection</b>					
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Item No		Quantity	Rate	Amount R
	<b><u>BILL NO. 4</u></b>			
	<b><u>WATERPROOFING</u></b>			
	<b>SUPPLEMENTARY PREAMBLES</b>			
	<u>Waterproofing</u>			
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
	<b>DAMP PROOFING OF WALLS AND FLOORS</b>			
	<u>One layer 250 micron "Gunplas USB Green" polyethylene waterproofing:</u>			
1	On compacted earth under concrete surface beds, lapped 150 mm and sealed at all joints (measured net).	m2	2,045	
	<u>One layer 375 micron embossed "Gunplas Brikgrip" polyethylene damp proof course fixed with approved adhesive:</u>			
	On walls, stepped up in cavities, under cills, etc.			
2		m2	282	
3	Vertically to jambs in 110mm widths	m	844	
	<b>WATERPROOFING TO ROOFS, BASEMENTS, ETC</b>			
	<u>EshaGum 470 or equal and approved torch applied APP modified bitumen cap sheet in two layer torch on systems with torched on overlaps</u>			
	On sloping roofs			
4		m2	214	

	<b>Carried to Collection</b>		R	
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 4</b> <b>Waterproofing</b> <i>Tender Bills of Quantities</i>			

Item No	Description	Quantity	Rate	Amount R
5	Sealing edges to brickwork or concrete including trowelled mastic bead	m	131	
6	Flashing strip 300mm girth at turn-ups including sealing top edge into groove with mastic	m	131	
7	Additional membrane 300mm girth at internal and external angles	m	131	
8	Additional membrane 300mm girth at turn-ups including flashing strip 300mm girth and sealing top edge into groove with mastic	m	131	
9	On internal surfaces of 75mm diameter full bore outlet.	No	3	
	<b>PROTECTIVE STONE DRESSING</b>			
	<u>19mm Crushed stone dressing evenly spread with larger stones around outlets</u>			
	50mm Thick on waterproofing to flat roofs			
10	<b>PROTECTIVE ROOFING PAINT</b>	m2	214	
	<u>Two coats Silvakote bituminous aluminium paint</u>			
11	On waterproofing to roofs	m2	214	
	<b>WATERPROOF MEMBRANE</b>			

12	<p><u>"Secomastic" non setting mastic sealant applied cold with a hand pressure caulking gun and leave perfectly watertight:</u></p> <p>Around steel windows and door frames.</p>	m	1,689		
	<b>Carried to Collection</b>			R	
	<p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 4</b> <b>Waterproofing</b> <i>Tender Bills of Quantities</i></p>				

Item No			Quantity	Rate	Amount R
	<b>SUNDRIES</b>				
	<u>Sundries</u>				
13	10 x 10 mm Polysulphide sealant in expansion joint including scraping out softboard. (Provisional).	m	1,167		
14	10 x 10mm In saw cut joints in floors	m	597		
	<u>Approved polyurethane sealing compound including backing cord, bond breaker, primer, etc:</u>				
15	In joints between steel frames and walls	m	694		
	<u>Silicone sealing, etc.:</u>				
16	Joints not exceeding 10mm between wall tiles and sanitary fittings.	m	70		

17	Joints not exceeding 10mm between timber skirting and wall. m	281		
<b>Carried to Collection</b>				
Section No. 2 <b>BUILDINGS</b> Bill No. 4 <b>Waterproofing</b> <i>Tender Bills of Quantities</i>				
				R

Section No. 2  <b>BUILDINGS</b>  Bill No. 4  <b>Waterproofing</b>  <u><b>COLLECTION</b></u>				
	<b>Page No</b>	<b>Amount R</b>		
Total Brought Forward from Page No.	46			
Total Brought Forward from Page No.	47			
	48			
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Item No		Unit	Quantity	Rate	Amount R
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**BILL NO. 5**

**ROOF COVERINGS ETC**

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.

**SUPPLEMENTARY PREAMBLES**

**Ribbed roofing sheets.:**

The sheets shall be fixed in accordance with the manufacturer's recommendations with side-laps on the leeward side of the prevailing wind direction.

**Cutting of sheets:**

All cutting of sheets shall be properly performed and all exposed cut edges shall be perfectly straight and treated to match roof finish.

**Carried to Collection**

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Item No		Unit	Quantity	Rate	Amount R
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>				
	<b>KLIP-LOK 700 SHEETING OR EQUAL AND APPROVED</b>				
	<u>0,58mm Thick Kliplok 700 profile roll formed in continuous lengths galvanised steel Z200 complying with ISQ550 (3T) with a Chromadec colour coated "Dark Dolphin" to one side with a pebble grey backing coat proof sheeting fixed to steel purlins at maximum 2500mm c/c and eaves purlins at maximum 2100mm c/c by means of patented KL700 clips fixed with 10No 16 x 16mm long self drilling wafer head PH2 screws, all in accordance with the manufactures instructions by a GRS approved contractor.</u>				
1	Roof covering with pitch not exceeding 25 degrees	m2	1,948		
2	Side cladding	m2	846		
3	Side wall flashing 650mm girth	m	38		
4	Head wall flashing 650mm girth	m	118		
5	Apex flashing 750mm girth	m	331		
6	Drip flashing 150mm girth	m	225		

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Item No		Unit	Quantity	Rate	Amount R
	<b>ROOF AND WALL INSULATION</b>				
	<p><u>Alububble double sided (code 1983) or equal and approved superior performance radiant barrier material manufactured using a modern sophisticated continuous laminating process consisting of a layer of low density Polyethylene air cells on both sides with MPET (foil)</u></p>				
7	<p>Insulation laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires at 383mm c/c</p>	m2	1,948		
	<p><u>IsoBoard or equal and approved high density 3236kg/m3 rigid extruded polystyrene 100% closed cell insulation board</u></p>				
8	<p>120mm Thick and 600mm wide with IsoPine/edge bevelled finish laid horizontally over trusses and secured with timberfix screws through purlins/battens. Install as per manufacturer's specifications.</p>	m2	940		

<p>9</p>	<p><u>LAMBDABOARD or equal and approved laminated polyisocyanurate core board with a minimum core density of 34kg/m<sup>3</sup></u></p> <p>30mm Thick and 1200mm wide with a 1.25(Km<sup>2</sup>/W) RValue finished with white mineral and mineral laminated on each side and installed using Rigifoam's concealed range of LAMBDABOARDS clips (starter clips/dual clips). All in accordance with the manufacturer's specification and recommendations.</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 5</b> <b>Roof Coverings, etc</b> <i>Tender Bills of Quantities</i></p>	<p>m2</p>	<p>9</p>	<p>R</p>	
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	<p><b>Section No. 2</b></p> <p><b>BUILDINGS</b></p> <p><b>Bill No. 5</b></p> <p><b>Roof Coverings, etc</b></p> <p><b><u>COLLECTION</u></b></p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p>		<p><b>Page No</b></p> <p>50</p> <p>51</p> <p>52</p>	<p><b>Amount R</b></p> <p>-----</p> <p>-----</p> <p>R</p>	
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**BILL NO. 6**

**CARPENTRY AND JOINERY**

**PREAMBLES**

The Model Preambles for Trades (2008 edition), as published by the Association of South African Quantity Surveyors, shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items, fully described in the said Model Preambles, will be entertained.

The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles.

**SUPPLEMENTARY PREAMBLES**

**PREFABRICATED TIMBER ROOF TRUSSES**

**Prefabricated metal connected timber roof trusses:**

All trusses shall be fabricated by an approved truss manufacturer who holds a current Certificate of Competence awarded by the Institute for Timber Construction.

**Descriptions for pre-fabricated timber roof trusses:**

Descriptions of trusses shall be deemed to include all necessary splay cut ends, mitres, joining, wrought and shaped ends, connectors, plate connectors, clips, etc.

Tendered rates must make provision for the aforesaid as no additional claims in this regard will afterwards be entertained.

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**Timber:**

Timber for trusses to be South African softwood and shall be in accordance with the grades as defined in SABS Specification No. 563 or as defined in SABS Specification No. 1460.

**Bolts:**

Bolts shall be in accordance with BS 4190 or SABS 135.

**Shear plates, tooth connectors and split rings:**

Shear plates, tooth connectors and split rings shall be in accordance with BSS 1759 : 1960 and installed in accordance with the CSIR Publication HOUT 468, "The Design, Manufacturing and Erection of Timber Trusses".

**Washers:**

Square or round washers of the following dimensions shall be used with all bolts:

1. **Bolts up to 8mm diameter:**

Washers shall be minimum 25mm wide of minimum 2.5mm thickness.

2. **Bolts up to 12mm diameter:**

Washers shall be a minimum 36mm wide of minimum 4mm thickness.

3. **Bolts up to 20mm diameter:**

Washers shall be a minimum 60mm wide of minimum 5mm thickness.

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**Metal connector plates:**

Metal connector plates shall be fabricated out of not less than 1mm thick drawn quality galvanised steel.

The steel shall have a minimum yield strength of 228MPa and a minimum ultimate tensile strength of 330MPa. The corrosion resisting coating shall be not less than 275g/m<sup>2</sup> commercial class hot dipped galvanised as per SABS 934 before stamping.

All connector plates shall have been tested by CSIR and be of size capable of transmitting the forces between members of a truss without exceeding the design values published in the CSIR reports.

**Truss construction:**

Trusses shall be constructed in jigs specially designed to ensure the correct profile, overhangs and cambers.

Where metal connector plates are used all joints are to be close fitted butt joints made by precision pressing of the metal connector plates into each side of the joint.

**Truss design:**

All trusses shall be designed by a registered Professional Engineer in accordance with SABS 0163, "Design of Tiber Structures" and Code 0160, "Loadings".

**Truss spacing:**

The truss centres shall be less than or equal to that as described in this bill for each respective truss.

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**Truss pitch:**

The truss pitch shall be as described in this bill for each respective truss type.

**Truss loading:**

Trusses shall be designed for a live load of 0.50kN/m<sup>2</sup> and dead load as specified under the sub-heading "Specific load specifications for roof trusses".

**Workshop drawings, design and erection guarantee certificates:**

It will be expected from the contractor to timeously prepare, submit and obtain the necessary approvals from the Architect in respect of the required shop drawings, design and erection guarantee certificates as specified.

**Dimensions:**

All dimensions given in the descriptions of the trusses are nominal and actual measurements are to be obtained by actual measurements taken on the site before design or fabrication commences.

**Erection:**

All trusses are to be hoisted and erected strictly in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber roof Trusses: as published by the institute for Timber Construction and the CSIR, or the SABS Code of Practice "The Design, Manufacture and Erection of Timber Roof Trusses", or as designed and detailed by the designer.

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**Design system:**

The design system as documented in the bill is based on the "MiTek" system and all references given in the descriptions are related to specific type of trusses based on the design system.

However, contractors are to note that any design system of similar quality maybe used subject to prior written approval of the Architect.

**Specific specifications for roof trusses**

Unless specifically otherwise described, the following specifications will apply:

1. The pitch of all trusses to be 10°
  
2. All trusses to be single ply, unless otherwise described trusses at maximum 1200mm centres.
  
3. All trusses to be at maximum 1200mm centres, unless otherwise described.
  
4. All exposed structural laminated beams shall be of architectural finish, i.e. manufactured of clean grade (absolutely clean) high density timber wrought all round.

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**Rates:**

Tendered rates to include for the complete roof construction, including the design of the roof construction, all timber of required grade and type shown on the design, all cutting and waste, cutting to the exact lengths and end angles to manufacture the respective truss type, supply of all connector plates, fabrication of trusses, checking the completed truss for quality, loading, storing under cover and protecting from the weather, hoisting up in position and erection of the roof truss structure, necessary supervision, submission of all shop drawings, design and erection guarantee certificates, etc. as specified.

**Fixing:**

items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete.

Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given separately elsewhere.

**Decorative laminate finish:**

Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish.

**Joinery:**

Descriptions of frames shall be deemed to include frames, transoms, rails, etc.

Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts.

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Item No		Quantity	Rate	Amount R
1	<p>All doors are to be pre-treated with a sealer as per Swartland specification.</p> <p>Door types indicated refer to the full door specification and detail on the Door Schedule on Architect Drawing attached herewith.</p> <p><b><u>PREFABRICATED ROOF TRUSSES, ETC.</u></b></p> <p><b>Sawn softwood:</b></p> <p><u>Prefabricated timber roof construction complete including purlins, runners, bracing hips, valleys, cleats, purlins, etc.,</u></p> <p>Mono Pitched timber roof construction including 800mm overhang, for building measuring 11.439m long x 6.027m wide overall, on plan including, trusses, jack rafters, permanent bracing and 76 x 50mm purlins/battens placed at 750mm centre for roof covering (<b>Junitor area incl. Refuse Area</b> - Refer to Architect's drawing).</p> <p><b>Allow for the preparation and submission of the following documents:</b></p> <p><u>Junitor area including Refuse Area:</u></p>	Item		
2	Detailed shop drawings indicating truss sizes, truss positions, bracing, details, etc. to be submitted for approval prior the commencement of any fabrication.	Item		
3	Design certificate indicating the licensed programme used, SABS specifications adhered to, general procedures and loadings adopted, sizes and grading of timber components, details, etc.	Item		
4	Erection guarantee certificate after the whole completed roof truss structure have been inspected, all defective work have been taken out and made good, etc. to the full satisfaction of the Architect	Item		

	<b>Carried to Collection</b>		R	
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i>			

Item No		Quantity	Rate	Amount R
5	<u>Sawn softwood.:</u>  Wall plate size 38 x 114mm.  <b>FACIAS, BARGE BOARDS, ETC:</b>  <u>Facias, Barge boards, etc.</u>	m	36	
6	12 x 225 mm Fibre cement barge board drilled and brass screwed and including steel jointing strips between lengths.	m	13	
7	12 x 225 mm Fibre cement facia drilled and brass screwed and including steel jointing strips between lengths.	m	24	
8	Splay cut end.	No	4	
	<b><u>SKIRTINGS</u></b>			
9	<u>Hardwood meranti</u>  19 x 60mm Skirting with 16 x 16mm Quadrant plugged and screwed to wall surface ( <i>screws to be countersunk and recessed wo be filled with approved wood filler</i> )	m	281	

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Item No		Quantity	Rate	Amount R
	<b><u>DOORS, ETC</u></b>			
	<b>SOLID CORE FLUSH DOORS</b>			
	<u>Solid flush panel doors with commercial veneer on both sides and hardwood edge strips to vertical edges suitable for painting hung to steel frames (Steel frames measured elsewhere):</u>			
10	40mm Single door 813 x 2040mm high (D04 - Refer to Architectural drawings PL-111_GK - REV A)	No	2	
11	40mm Single door 813 x 2040mm high with 845 x 290mm high fixed light glazed with 6,8mm clear safety glass (D05 - Refer to door schedule MB-DC-600_GF Door_Rev A)	No	1	
12	40mm Single door 813 x 2040mm high with 875 x 340mm high fixed light glazed with 6,8mm clear safety glass (D22 - Refer to door schedule MB-DC-602_GF Door_Rev A)	No	2	
13	40mm Single door 813 x 2040mm high (D21 & D25 - Refer to door schedule MB-DC-602 603_GF Door_Rev A)	No	10	
14	40mm Single door 813 x 2070mm high (D06 - Refer to door schedule MB-DC-600_GF Door_Rev A)	No	4	

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15	40mm Single door 813 x 2060mm high (D11 - Refer to door schedule MB-DC-601_GF Door_Rev A)	No	2		
16	40mm Single door 813 x 2070mm high (D07 - Refer to door schedule MB-DC-600_GF Door_Rev A)	No	8		
17	40mm Single door 860 x 2040mm overall high with 860 x 2040mm high door leaf, 365 x 2040mm high side light and 1225 x 340mm high fixed light (D10a & D12 & D22 - Refer to door schedule MB-DC-601 & 602_GF Door_Rev A)	No	5		R
<b>Carried to Collection</b>					
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i>					

Item No			Quantity	Rate	Amount R
18	40mm Doubled door 1685 x 2040mm high with 1685 x 280mm high fixed light glazed with 6,8mm clear safety glass (D27- Refer to door schedule MB-DC-603_GF Door_Rev A)	No	2		
19	40mm Doubled door 1685 x 2040mm high with 1685 x 295mm high fixed light glazed with 6,8mm clear safety glass (D04 & D13 & D17 & D18 - Refer to door schedule MB-DC-601_GF Door_Rev A)	No	6		
20	Extra for 500 x 300mm opening for metal louvre unit (elsewhere measured)	No	13		
21	Extra for 500 x 600mm opening for metal louvre unit (elsewhere measured)	No	2		

<p>22</p> <p>23</p>	<p><u>Purpose made solid hardwood door with a seal to restrict air fitted to each edge in a form of either foam or rubber comprehensible strip or fibrous seal</u></p> <p>Single door 725 x 2030mm high (D02 - Refer to Guardhouse Details PL-110_GH - Rev A)</p> <p><u>Eva-Tewch composite decking panels or equal and approved Infinity Solid Profile size 23 x 140mm (5.8m lengths) to be screwed to steel door panel. 5mm horizontal gaps between decking panels. Detailed installation according to the strict recommendations of the manufacturer</u></p> <p>Single door 725 x 2030mm high (D01 - Refer to Guardhouse Details PL-110_GH - Rev A)</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i></p>	<p>No</p> <p>No</p>	<p>2</p> <p>1</p>	<p>R</p>
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Item No		Quantity	Rate	Amount R
<p>24</p>	<p><b>SEMI-SOLID CORE FLUSH DOORS</b></p> <p><u>Semi-solid panel door with hardwood concealed edge strip fitted with lock block to one edge clearly marked and finished both sides with hardwood veneer suitable for varnishing:</u></p> <p>40mm Single door 813 x 2040mm high (D09 - Refer to door schedule MB-DC-601_GF Door_RevA)</p>	<p>No</p>	<p>4</p>	

25	Single door 815 x 2030mm high (D03 - Refer to Guardhouse Details PL-110_GH - Rev A)	No	2		
26	40mm Single door 1685 x 2040mm high (D19 - Refer to door schedule MB-DC-602_GF Door_RevA)	No	2		
27	Extra for 500 x 300mm opening for metal louvre unit (elsewhere measured)	No	2		
<b>FIRE DOORS</b>					
28	<u>Fire doors with commercial veneer</u>  Varilux-Huet Club 39 or equal and approved timber acoustic fire rated door fire door 815 x 2040mm high including pressed steel frame for one brick wall and preparing frame for door closer and lock (D02 - Refer to door schedule MB-DC-604_GF Door_Rev A)	No	1		
29	Class B double fire door 1685 x 2040mm high with two hour fire rating, with 1685 x 295mm high fixed light glazed with 6,8mm clear safety glass (D03 & D18 & D23 & D27 - Refer to door schedule MB-DC-600 & 601 & 602 % 603_GF Door_Rev A)	No	5		
<b>Carried to Collection</b>					
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i>					

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Item No		Quantity	Rate	Amount R
<b><u>THE FOLLOWING IN GYM AND GYM LOBBY LOOSE FURNITURE</u></b>				

	<u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u>				
30	Flamingo medium black chair (Code: FLGM01BLK) Without arms Clutch mechanism.	No	1		
31	Lockers manufactured using 4mm, 8mm and 12mm Compact High Pressure Laminate, (code: CSCHPLL12D with 2 doors). Carcass manufactured using 4mm, 8mm and 12mm CHPL in white with doors in 12mm Compact High Pressure Laminate including auto return hinge (code: CSHNGFLCK) and D-shaped keep (code: CSCHPL/K) for individuals own padlocks, lock cover plate and handle (code: CSLCKNBNPLT) with numbering using 2mm Rowmark brushed aluminium rectangle discs and 100mm plinth 1800mm high x 300mm wide x 450mm deep lockers				
	<b><u>THE FOLLOWING IN SECURITY BOOTH LOOSE FURNITURE</u></b>	No	17		
	<u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u>				
32	Flamingo medium operator black chair (Code: FLGM01BLK) Without arms Clutch mechanism.	No	3		
33	Rickstacker chair with Black painted 4- legged frame Upholstered in Contract Black fabric	No	2		
34	Global systems cabinet or equal and approved systematised universal metal standard storage size 1100mm wide x 550mm deep x 1200mm high including hinged double doors and finished with Taormina Ash.	No	1		
35	Polybin Polypropylene waste bin size 240mm diameter x 260mm high colour black.	No	1		
	<b><u>THE FOLLOWING IN KIOSK LOOSE FURNITURE</u></b>				R
	<b>Carried to Collection</b>				
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Item No		Quantity	Rate	Amount R
	<u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u>			
36	Flamingo medium operator black chair (Code: FLGM01BLK) Without arms Clutch mechanism.	No	2	
37	Rickstacker chair with Black painted 4- legged frame Upholstered in Contract Black fabric	No	2	
38	Global systems cabinet or equal and approved systematised universal metal standard storage size 1100mm wide x 550mm deep x 1200mm high including hinged double doors and finished with Taormina Ash.	No	2	
39	Polybin Polypropylene waste bin size 240mm diameter x 260mm high colour black.	No	1	
	<b><u>THE FOLLOWING IN TICKET BOOTH &amp; TICKET STORE LOOSE FURNITURE</u></b>			
	<u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u>			
40	Flamingo medium black chair (Code: FLGM01BLK) Without arms Clutch mechanism.	No	2	
41	Polybin Polypropylene waste bin size 240mm diameter x 260mm high colour black.	No	1	

	<b>Carried to Collection</b>				
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Item No		Quantity	Rate	Amount R
	<b><u>THE FOLLOWING IN RECEPTION, RECEPTION STORE AND RECEPTION LOBBY LOOSE FURNITURE</u></b>  <u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u>			
42	Strong boy Seat public seating benches with back, arms & legs in silver painted with crossbeam painted in grey	No	1	
43	Soulmate medium back chair with synchronized mechanism in black nylon flexi arms and 5-star black nylon base and upholstered in contract black fabric	No	1	
44	Soul mate visitor's chair with black painted sleigh frame with upholstered in contract black fabric	No	2	
45	Benchwork single desk size 1600mm long x 700mm wide x 695mm high with black painted legs and intergrated cable tray with global worktop with cut-out for blade (code: DTPSC163B) scallop size 1600mm long x 750mm wide	No	1	
46	Metal filing cabinet size 470mm wide x 630mm deep x 1320mm high with hang rails and central locking system in colour black.	No	1	

47	Carpet protector misty clear in colour with rounded corners, mild leather grain to upper surface and non-slip under surface CPC1200CL – Curved Front	No	1		
48	Polybin Polypropylene waste bin size 240mm diameter x 260mm high	No	1		
Carried to Collection					
Section No. 2 BUILDINGS Bill No. 6 Carpentry & Joinery Tender Bills of Quantities					

Item No		Quantity	Rate	Amount	R
<b><u>THE FOLLOWING IN STAFF ROOM LOOSE FURNITURE</u></b>					
<u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u>					
49	STB Stainless dining base with appropriate stone look round top	No	1		
50	Trill monobloc stackable chair in reinforced fibreglass polypropylene with UV resistant and non-slip feet, nustart colour	No	7		
<b><u>THE FOLLOWING IN OFFICE1 &amp; OFFICE 2 LOOSE FURNITURE</u></b>					

<p><u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u></p>				
51	Soul Mate High Back chair with synchronised mechanism, Black nylon Flexi arms, 5-Star black nylon base and Upholstered in Contract black fabric	No	2	
52	Soul Mate High Back painted sleigh frame with Upholstered in Contract black fabric	No	4	
53	Ecocentric lite 25mm Top including panel leg with 3No. drawer pedestal & modesty panel with 1000mm Open L-shaped extension with Left or right handed including drawer fronts & modesty in paired finish.	No	2	
54	Ecocentric lite 4-Tier hinged door cabinet size 900mm wide x 400mm deep x 1500mm high Including 3 x fixed timber shelves with wood grain carcass with hinge doors in paired finish	No	2	
55	Metal filing cabinet size 470mm wide x 630mm deep x 1320mm high with 4 Drawers including hang rails & central locking in Black painted finish	No	4	
<p><b>Carried to Collection</b></p>				
<p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i></p>				
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Item No		Quantity	Rate	Amount R
56	Carpet protector misty clear in colour with rounded corners, mild leather grainto upper surface and non-slip under surface CPC1200CL – Curved Front	No	2	

57	Polybin Polypropylene waste bin size 240mm diameter x 260mm high	No	2		
<b><u>THE FOLLOWING IN OFFICE 3 LOOSE FURNITURE</u></b>					
<u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u>					
58	Chancellor high back chair knee-tilt mechanism with Aluminium arms with leather-look padding, 5-Star polished aluminium base and Black leather-look upholstery	No	1		
59	Chancellor visitors chair chrome sleigh frame with black arm capping and Black leather-look upholstery	No	2		
60	Ecocentric lite 25mm Top including panel leg with 3No. drawer pedestal & modesty panel with 1000mm Open L-shaped extension with Left or right handed including drawer fronts & modesty in paired finish.	No	1		
61	Ecocentric lite 25mm Top including panel leg with 3No. drawer pedestal & modesty panel with 1000mm Open L-shaped extension with Left or right handed including drawer fronts & modesty in paired finish.	No	1		
62	Ecocentric lite 4-Tier hinged door cabinet size 900mm wide x 400mm deep x 1500mm high Including 3 x fixed timber shelves with wood grain carcass with hinge doors in paired finish	No	3		
63	Metal filing cabinet size 470mm wide x 630mm deep x 1320mm high with 4 Drawers including hang rails & central locking in Black painted finish	No	3		
<b>Carried to Collection</b>					
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i>					
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Item No		Quantity	Rate	Amount R
64	Carpet protector misty clear in colour with rounded corners, mild leather grain to upper surface and non-slip under surface CPC1200CL – Curved Front	No	1	
65	Polybin Polypropylene waste bin size 240mm diameter x 260mm high	No	1	
<b><u>THE FOLLOWING IN BOARDROOM LOOSE FURNITURE</u></b>				
66	<u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u>  Urban Boardroom Table size 3200mm long x 1200mm wide x 725mm high with 25mm 2-Piece top laminated and black painted frame with recessed intermediate leg including cable trails (colour to match frame) for mounting beneath top	No	1	
67	Loop Dopo weight sensitive mechanism boardroom chair with 3D Arms, adjustable in height with pivot & sliding function with Black mesh back, 5-Star black nylon base, Upholstered in standard black fabric and NO HEADREST	No	10	
68	Key black painted sleigh frame additional seating with black arm capping, Moulded foam seat & back and Upholstered in Vulcan fabric	No	2	
69	Moon side table size 450mm diameter x 550mm high with 25mm top with steel round tube frame (Colour: Black)	No	1	
70	Coat and Hat Stand size 380 x 380 x 1800mm with wooden balls,	No	1	
71	Polybin Polypropylene waste bin size 240mm diameter x 260mm high	No	1	

	<b>Carried to Collection</b>		R	
	<p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i></p>			

Item No		Quantity	Rate	Amount R
	<p><b><u>THE FOLLOWING IN BOARDROOM WAITING LOBBY LOOSE FURNITURE</u></b></p> <p><u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u></p>			
72	Hilton Double Seater (Code: HT02AN) size 1520mm wide x 810mm deep x 760mm high Loose back & seat cushions with Steel frame in black painted finish and Upholstered in Tweed Anthracite fabric	No	1	
73	Hilton single Seater (Code: HT01AN) size 810mm wide x 810mm deep x 760mm high Loose back & seat cushions with Steel frame in black painted finish and Upholstered in Tweed Anthracite fabric	No	1	
74	Saddle Ottoman (Code: SD520) Fabric size 520mm diameter x 460mm high Black nylon bun feet with Genuine leather holding strap and Upholstered in Sub Silver paired with AragonAlter, Sub Silver paired with Aragon Fungus or Sub Brick paired with Aragon Castle	No	1	

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Section No. 2  
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Item No		Quantity	Rate	Amount R
75	<p><b><u>THE FOLLOWING IN CHANGE ROOM 1 &amp; 2 WAITING LOBBY LOOSE FURNITURE</u></b></p> <p><u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u></p> <p>Coach Lockers size 1800mm high x 300mm wide x 450mm deep manufactured using 4mm, 8mm and 12mm Compact High Pressure Laminate, (code: CSCHPLLZ with Z-shaped door) with Carcass manufactured using 4mm, 8mm and 12mm CHPL in white, doors in 12mm Compact High Pressure Laminate (colour: to be confirmed).Ironmongery to include auto return hinge (code: CSHNGFLCK) and D-shaped keep (code: CSCHPL/K) for individuals own padlocks (no locking mechanism included), lock cover plate and handle (code: CSLCKNBNPLT). Lockers are numbered using 2mm Rowmark brushed aluminium rectangle discs including plinth 100mm and locker 1800mm, finishing height 1900mm.</p>	No	2	

76	<p>Team Lockers size 1800mm high x 300mm wide x 450mm deep manufactured using 4mm, 8mm and 12mm Compact High Pressure Laminate, (code: CSCHPLL4D with 4 door) with Carcass manufactured using 4mm, 8mm and 12mm CHPL in white, doors in 12mm Compact High Pressure Laminate (colour: to be confirmed).Ironmongery to include auto return hinge (code: CSHNGFLCK) and D-shaped keep (code: CSCHPL/K) for individuals own padlocks (no locking mechanism included), lock cover plate and handle (code: CSLCKNBNPLT). Lockers are numbered using 2mm Rowmark brushed aluminium rectangle discs including plinth 100mm and locker 1800mm, finishing height 1900mm.</p>				
		No	8	R	
	<b>Carried to Collection</b>				
	<p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i></p>				

Item No		Quantity	Rate	Amount R
	<p><b><u>THE FOLLOWING IN MEDICAL ROOM LOOSE FURNITURE</u></b></p> <p><u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u></p>			
77	<p>Flamingo medium operator black chair (Code: FLGM01BLK) Without arms Clutch mechanism including Optional fixed nylon arms, 5-Star black nylon base and Upholstered in Contract black fabric</p>	No	1	
78	<p>Rickstacker chair with Black painted 4- legged frame Upholstered in Contract Black fabric</p>	No	2	

79	Benchwork Single Desk size 1400mm long x 700mm wide x 695mm high with black painted legs and integrated cable tray including global worktop with Cutout for blade 1, Black Scallop (Code: GTPSC143B) size 1400mm long x 750mm wide (Left / Right Hand Power Socket to be confirmed), workstation to include modesty panel and screen	No	1		
80	Standard Hospital Bed size 1980mm long x 915mm wide mounted on rubber feet, manufactured in a white epoxy coated white mild steel, with a wire mesh mattress base. Manufactured from 32mm tubular (round bar) mild steel, epoxy coated in white powder coating. Wire Mesh Mattress Base (Mattress to be included). Bed to include castors to enable mobility	No	1		
81	Double Step, Stainless Steel Frame with Chequered top size 512mm long x 490mm wide x 400mm high manufactured from tubular steel construction with an Unpolished Steel finish with non-slip white non-marking rubber foot covers	No	1		
82	Medicare Bedside Cabinet size 810mm high x 450mm wide x 450mm deep with ABS Top standard laminate sealed off cabinet, Includes lightweight aluminium frame and white plastic top moulded to include spill proof lip. Order (Code: MHE-BCABST)	No	1		R
<b>Carried to Collection</b>					
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i>					

Item No		Quantity	Rate	Amount R
83	Metal filing cabinet size 470mm wide x 630mm deep x 1320mm high with 4 Drawers made up of metal construction with hang rails & central locking with colour Black painted finish	No	2	

84	<p>Lockers size 1800mm high x 300mm wide x 450mm deep manufactured using 4mm, 8mm and 12mm Compact High Pressure Laminate, (code: CSCHPLLZ with Z-shaped door). Carcass manufactured using 4mm, 8mm and 12mm CHPL in white, doors in 12mm Compact High Pressure Laminate (colour: to be confirmed).Ironmongery to include auto return hinge (code: CSHNGFLCK) and D-shaped keep (code: CSCHPL/K) for individuals own padlocks (no locking mechanism included), lock cover plate and handle (code: CSLCKNBNPLT). Lockers are numbered using 2mm Rowmark brushed aluminium rectangle discs. Numbering sequence to be confirmed. Plinth 100mm and locker 1800mm, finishing height 1900mm.</p>	No	3	
85	<p>Polybin Polypropylene waste bin size 240mm diameter x 260mm high</p>	No	1	
<b>Carried to Collection</b>				
<p><b>Section No. 2</b>  <b>BUILDINGS</b>  <b>Bill No. 6</b>  <b>Carpentry &amp; Joinery</b>  <i>Tender Bills of Quantities</i></p>				

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Item No		Quantity	Rate	Amount R
86	<p><b><u>THE FOLLOWING IN REF CHANGE ROOM LOOSE FURNITURE</u></b></p> <p><u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u></p> <p>Coach Lockers size 1800mm high x 300mm wide x 450mm deep manufactured using 4mm, 8mm and 12mm Compact High Pressure Laminate, (code: CSCHPLLZ with Z-shaped door) with Carcass manufactured using 4mm, 8mm and 12mm CHPL in white, doors in 12mm Compact High Pressure Laminate (colour: to be confirmed).Ironmongery to include auto return hinge (code: CSHNGFLCK) and D-shaped keep (code: CSCHPL/K) for individuals own padlocks (no locking mechanism included), lock cover plate and handle (code: CSLCKNBNPLT). Lockers are numbered using 2mm Rowmark brushed aluminium rectangle discs including plinth 100mm and locker 1800mm, finishing height 1900mm.</p>			
	<p><b><u>THE FOLLOWING IN CLEANING STAFF ABLUTION LOOSE FURNITURE</u></b></p>	No	3	
87	<p><u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u></p> <p>Ntegra Side stacker Chair (code: INT06BLK) Black moulded polypropylene shell</p>			
	<p><b><u>THE FOLLOWING IN MEDIA ROOM LOOSE FURNITURE</u></b></p>	No	3	
88	<p><u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u></p> <p>Flamingo medium operator black chair (Code: FLGM01BLK) Without arms Clutch mechanism including Optional fixed nylon arms, 5-Star black nylon base and Upholstered in Contract black fabric</p>	No	2	

	<b>Carried to Collection</b>		R	
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i>			

Item No	Quantity	Rate	Amount R
89	No	4	
Metal filing cabinet size 470mm wide x 630mm deep x 1320mm high with 4 Drawers including hang rails & central locking in Black painted finish			
90	No	2	
Carpet protector misty clear with curved front, size 1200mm long x 900mm wide in colour with rounded corners including mild leather grainto upper surface with non-slip under surface (Code: CPC1200CL)			
91	No	1	
Polybin Polypropylene waste bin size 240mm diameter x 260mm high			
<b><u>THE FOLLOWING IN GROUNDSKEEPERS FACILITY ROOM LOOSE FURNITURE</u></b>			
<u>Loose furniture as per attached specification and drawing at the back of these bills of quantities</u>			
92	No	3	
Rickstacker chair with Black painted 4- legged frame Upholstered in Contract Black fabric			
93	No	1	
Benchwork Single Desk size 1600mm long x 700mm wide x 695mm high with black painted legs and integrated cable tray including global worktop with Cutout for blade 1, Black Scallop (Code: GTPSC143B) size 1400mm long x 750mm wide (Left / Right Hand Power Socket to be confirmed), workstation to include modesty panel and screen			

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94	Polybin Polypropylene waste bin size 240mm diameter x 260mm high	No	1	
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Item No		Quantity	Rate	Amount R
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**JOINERY FITTINGS**

**General**

The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc

**Note**

Should there be any ambiguity between the Bills of Quantities Description and the Architectural drawings attached herewith, the Architectural drawings shall take precedence.

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Item No		Quantity	Rate	Amount R
	<b><u>THE FOLLOWING IN GYM RECEPTION COUNTER</u></b>			
95	<p><u>Joinery fittings as per attached specification and drawing (JN-801 MB - Rev A) at the back of these bills of quantities</u></p> <p>U-shaped reception counter overall size 4300mm girth x 1600mm high comprising of the following:</p> <p>2No. size panels size 1600mm long x 350mm wide x 1000mm high and 1No. from panel size 1100mm long a 1000mm high framed with 38 x 38mm stained SAP frame, clad with 16mm thick Melawood Supatexture (Treviso) board with 3No.16mm thick Melawood Supatexture (Treviso) Shelf on each panel and 32mm thick Life seal work top with all exposed edges with 100mm x 2mm thick aluminium kick plate.</p> <p>U-shaped counter screen over all size 2236mm long x 300mm high with 20 x 20mm hardwood timber slats spaced at 40mm c/c with 32mm thick formica Life seal work top (Black Slate)</p>	No	1	
96	<p><u>Melawood supatexture (Treviso) cupboard doors</u></p> <p>16mm Thick Melawood Supatexture (Treviso) cupboard double door size 800 x 900mm including hinges and Matt black Barcelona Pull Handles size 160 x 27mm</p>			
	<b><u>THE FOLLOWING IN STRONG ROOM SHELVING</u></b>			
	<p><u>Strong room shelving as per attached specification and drawing (JN-800 MB - Rev A) at the back of these bills of quantities</u></p>	No	1	
97	16mm Wrapped Melamine panel shelves exceeding 300mm wide	m2	16	
98	370mm long x 66mm high powder coated angle shelf bracket	No	90	
99	Powder coated wall upright bracket, single slotted rail	m	36	

	<b>Carried to Collection</b>		R	
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Item No		Quantity	Rate	Amount R
	<b><u>THE FOLLOWING IN BATHROOM MIRRORS</u></b>			
	<u>Bathroom mirror as per attached specification and drawing (JN-800 MB - Rev A) at the back of these bills of quantities</u>			
100	<b>40 x 40mm SAP Frame fixed to walls</b>	m	7	
101	150mm wide x 200mm high x 22mm thick MDF frame	m	7	
	<b><u>THE FOLLOWING IN CHANGE ROOM SEATS</u></b>			
102	<u>Change room seats as per attached specification and drawing (JN-800 MB - Rev A) at the back of these bills of quantities</u>			
	Seating bench comprising of 50 x 40mm hardwood timber slats spaced @ 55mm c/c with all top edges bullnosed 5mm radius fixed with and including 425 x 400 x 6mm thick heavy duty mild steel wall brackets spaced at 500mm centres			
	<b><u>THE FOLLOWING IN STAFFROOM KITCHEN CUPBOARDS</u></b>	m	10	

103	<p><u>Staffroom room kitchen cupboards as per attached specification and drawing (JN-803 MB - Rev A) at the back of these bills of quantities</u></p> <p>Floor cupboard formed of 32mm thick Melawood in demand range, size 2330mm long x 630mm wide x 900mm high with 32mm Fomica life seal work top, sides, bottom, division, shelf, back and 4No. of single hinged doors, dividing framework and 5 drawers including cut-out for sink hole (elsewhere measured)</p>	No	1	R
<b>Carried to Collection</b>				
<p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i></p>				

Item No		Quantity	Rate	Amount R
104	<p><b><u>THE FOLLOWING IN SLUICE ROOM CUPBOARDS</u></b></p> <p><u>Sluice room cupboards as per attached specification and drawing (JN-803 MB - Rev A) at the back of these bills of quantities</u></p> <p>Sluice room cupboards size 815mm long x 525mm wide x 1895mm high formed of 16mm thick melawood, 4mm Masonite backing board with double doors, including 16mm thick bison melawood boards for shelves, 370mm long x 66mm high powder coated angle shelf bracket and Powder coated wall upright bracket, single slotted rail</p> <p><b><u>THE FOLLOWING IN SECURITY ROOM &amp; TICKET BOOTH FIXED FURNITURE</u></b></p>	No	1	

<u>Sluice room cupboards as per attached specification and drawing (JN-802 MB - Rev A) at the back of these bills of quantities</u>					
105	32mm Thick Fomica lifeseal work top (Black Slate) with bullnose edges on sides including 20 x 20mm hardwood timber beading, including 400 x 450mm powder coated heavy duty stayed bracket at 500mm c/c (Refer to Architects drawing No.21-100-Frankfort_JN-802 MB)	m2	12		
106	16mm Thick Melawood Supatexture (Treviso board)	m2	1		
107	10 x 10mm Aluminium U-Channel shadow strip	m	4		
108	220 x 12 SAP Plank Spacer	m	4		
109	400 x 450mm Heavy duty stayed bracket, powder coated	No	67		
<b>Carried to Collection</b>					
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 6</b> <b>Carpentry &amp; Joinery</b> <i>Tender Bills of Quantities</i>					
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Item No		Quantity	Rate	Amount R
	<u>THE FOLLOWING IN STADIUM SEATING</u>			



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**BILL NO. 7**

**CEILINGS, PARTITIONS AND ACCESS FLOORING**

**SUPPLEMENTARY PREAMBLES**

Descriptions

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete

Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere

Flush plastered suspended ceilings, bulkheads, etc

Descriptions of ceilings, bulkheads, etc are deemed to include for the total design, fabrication, erection, etc of suspension systems, grids, sub-grids, hangers, framing, bracing, etc and for gypsum plasterboard as described fixed with Rhino Drywall screws to tee section Screw-Up suspension system or Drywall steel tracks, studs, rails, braces, etc.

All joints in boards are to be covered with 50mm wide self adhesive Fibatape and whole finished with Rhinolite gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer, including galvanised pressed metal beads, arrises to the plaster, etc

**Carried to Collection**

**Section No. 2**

**BUILDINGS**

**Bill No. 7**

**Ceilings, Partitions and Access Flooring**

*Tender Bills of Quantities*

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Item No		Unit	Quantity	Rate	Amount R
	<p><u>General</u></p> <p>Description of ceilings, bulkheads, etc generally are deemed to include for all necessary bridging, hangers, bracing, etc over and around services, pipes, airconditioning ducting, etc occurring within the ceiling and/or bulkhead voids and no claims for extras will be entertained for non co-ordination with other subcontractors involved in this regard</p> <p>All work to be executed in strict accordance with the manufacturer's recommendations and carried out by specialist ceiling and bulkhead installers</p>				
	<p><b>CEILINGS ETC</b></p>				
1	<p><u>Factorylite of equal and approved insulation</u></p> <p>100mm Thick non-combustible lightweight building insulation with reinforced white metallised foil facing on one side with thermal resistance of 3.46m2.K/W and overlapping foil edges to be stapled together. Install as per manufacturer's specifications</p>	m2	940		
2	<p>135mm Thick non-combustible lightweight building insulation with reinforced white metallised foil facing on one side with thermal resistance of 3.46m2.K/W and overlapping foil edges to be stapled together. Install as per manufacturer's specifications</p>				
	<p><b>NAILED UP CEILINGS</b></p>				
	<p><u>"Factoryboard" or equal approved 50mm thick rigid noncombustible lightweight aesthetical multi-purpose over purlin system of (80) kg/m3 density with white embossed vinyl . Install with saddles in over purlin installation all strictly in accordance to manufacturer's details and specification</u></p>	m2	826		
	<p>Sloping ceilings including brandering</p>				
3		m2	940		



7	<p><u>600 x 600 x 15mm Acoustic Constellation or equal and approved premium biologically absorbable mineral wool ceiling tiles in compliance with NRC - 0.70, with Reveal-edge and white painted finish laid on fire rated OWAconstruct S3a exposed demountable T24 suspension system comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, all installed to manufacturer's instructions.</u></p> <p>Ceilings suspended not exceeding 1m below steel purlins</p>	m2	164	R	
	<b>Carried to Collection</b>				
	<p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 7</b> <b>Ceilings, Partitions and Access Flooring</b> <i>Tender Bills of Quantities</i></p>				

Item No		Unit	Quantity	Rate	Amount R
8	<p><u>600 x 600 x 12.5mm thick Vinyl Faced Gypsum Ceiling Panels, face-covered with white embossed vinyl laid on fire rated OWAconstruct S3 exposed demountable Buttcut T24 suspension system including galvanised main tees, cross tees, etc., all suspended with galvanised hangers at centres not exceeding 1200mm and all installed to manufacturer's instructions.</u></p> <p>Ceilings suspended not exceeding 1m below steel purlins</p>	m2	228		
9	<p><u>1200 x 600 x 15mm Acoustic Constellation or equal and approved premium biologically absorbable mineral wool ceiling tiles in compliance with NRC - 0.70, with Reveal-edge and white painted finish laid on fire rated OWAconstruct S3a exposed demountable T24 suspension system comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, all installed to manufacturer's instructions.</u></p> <p>Ceilings suspended not exceeding 1m below steel purlins</p>	m2	361		

10	<p><u>1200 x 600 x 12.5mm thick Vinyl Faced Gypsum Ceiling Panels, face-covered with white embossed vinyl laid on fire rated OWAconstruct S3 exposed demountable Buttcut T24 suspension system including galvanised main tees, cross tees, etc., all suspended with galvanised hangers at centres not exceeding 1200mm and all installed to manufacturer's instructions.</u></p> <p>Ceilings suspended not exceeding 1m below steel purlins</p>	m2	43		
11	<p><u>OWAconstruct or equal and approved shadowline cornices</u></p> <p>W-trim cornices plugged and screwed at centres not exceeding 200mm</p>	m	732	R	
<p><b>Carried to Collection</b></p> <p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 7</b> <b>Ceilings, Partitions and Access Flooring</b> <i>Tender Bills of Quantities</i></p>					

Item No		Unit	Quantity	Rate	Amount R
	<p><b>CUBICLE SOLUTIONS OR EQUAL AND APPROVED TOILET PARTITIONS</b></p> <p><u>Manufacture, delivery and installation of toilet cubicles manufactured using 12mm Compact High Pressure Laminate or 12mm Compact Density Fibre Board (colour: standard stock colour range), in Cube-Standard Overlap (code: CSCHPLCSO / CSCDFBCSO). This is a modular, frameless system with supporting powder coated aluminium head rail, (powder coating colours: Charcoal / New Silver), floor anchored with adjustable supporting feet (code: CS13FT150), and bracketed to walls and pilasters using stainless steel brackets (code: CS3X10HLCRNBKT).</u></p>				
12	Partition 1800 x 1935mm high	No	6		
13	Mid stile 250 x 1935mm high	No	7		

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<p>14</p> <p>15</p>	<p>End stile 125mm x 1935mm high</p> <p>For manufacture, delivery and installation of toilet cubicles manufactured using 12mm Compact High Pressure Laminate (colour: (x2) colours extra over - acc. to the Architect), in Cube-Exclusive Range 1 (code CEx1/304). This is a modular, frameless system with overhead brace and hanging clamp (code CSSH01/316/13), floor anchored with adjustable supporting feet (code CSSF01/316/13), and bracketed to walls and pilasters using stainless steel brackets (CSSBr01/304).</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b>  <b>BUILDINGS</b>  <b>Bill No. 7</b>  <b>Ceilings, Partitions and Access Flooring</b>  <i>Tender Bills of Quantities</i></p>	<p>No</p> <p>No</p>	<p>2</p> <p>8</p>	<p></p> <p>R</p>	<p></p>
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<p><b>Section No. 2</b></p> <p><b>BUILDINGS</b></p> <p><b>Bill No. 7</b></p> <p><b>Ceilings, Partitions and Access Flooring</b></p> <p><b><u>COLLECTION</u></b></p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p>	<p></p>	<p><b>Page No</b></p> <p>84</p> <p>85</p>	<p></p> <p>R</p>	<p><b>Amount R</b></p> <p>-----</p>
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Section No. 2

**BUILDINGS**

Bill No. 7

**Ceilings, Partitions and Access Flooring**

*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
1	<p><b><u>BILL NO. 8</u></b></p> <p><b><u>FLOOR COVERINGS, PLASTIC LININGS, ETC.</u></b></p> <p><b>FLOOR COVERINGS</b></p> <p><u>2mm Thick Palettone PUR flexible PVC sheet flooring or equal approved homogeneous and monolayer in construction, non-directional design, incorporating a specially formulated polyurethane reinforcement, to significantly reduce tenance costs, conforming fully with the requirements of EN 649/EN ISO 10581</u></p> <p>The flooring shall be applied to an area classification of 23/34/43, as defined in EN 685/EN ISO 10874, in respect of flame spread.</p> <p>The flooring shall have been fully tested to EN 13501-1 and certified as having Class Bfl-S1, fully tested to ASTM E648 and certified as having passed with a Class 1 rating, making it suitable for use in institutional, commercial and public building.</p> <p>The floor must have been fully tested for abrasion resistance to the Frick Taber test EN 660-2 and be in abrasion group T, as defined in EN 649, with regards to EN ISO 10581 the product shall be classified Type I.</p> <p>The product must possess a valid Agreement certificate when laid in accordance with the instructions of Polyflor or equal and approved, using the correct adhesive all with coved skirtings and matching welded joints available in 2.0 metre width, to minimise the number of joints.</p> <p>+/- 15% additional provision to be made for cut and welded vinyl pattern insertion in main vinyl sheeting</p> <p>To floors</p>	m2	236	

	<b>Carried to Collection</b>		R	
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 8</b> <b>Floor Coverings, Plastic Linings, etc. Tender</b> <i>Bills of Quantities</i>			

Item No	Description	Quantity	Rate	Amount R
2	Turn-ups over coves and up against walls not exceeding 00mm m girth  <u>2mm Thick x 2000mm wide XL PU Group M homogeneous &amp; monolayer marbled design vinyl sheeting or equal and approved manufactured in accordance with EN 649/ISO 10581.</u>  The flooring shall be laid in Polyflor or equal and approved acrylic adhesive which has been spread using an A2 notched trowel on a previously prepared Class 1 sub-floor with a 50mm below surface drilled moisture content reading of 75%RH in accordance with SANS 10070, using Polyflor approved self-levelling screed (elsewhere measured) including all cutting and waste, rolled in both directions with an articulated 68kg threesectional roller immediately after it has been laid into the adhesive, joins must be butted, U-shape grooved 2/3rds thickness of the sheet and heat welded using the manufacturer's welding rod, maintenance according to the manufacturers maintenance programme.	223		
3	To floors	m2	95	
4	Turn-ups over coves and up against walls not exceeding 300mm girth	m	120	

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Section No. 2  
**BUILDINGS**  
 Bill No. 8  
 Floor Coverings, Plastic Linings, etc. *Tender*  
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R

Item No		Quantity	Rate	Amount R
5	<p><u>6,7mm Thick fully flexible PVC sheet flooring made up of a surface wear layer which shall be homogeneous and monolayers in construction, glass fibre reinforcement and closed cell foam layer.</u></p> <p>The flooring shall be glass fibre reinforcement and closed cell foam layer and must be classified abrasion group T available in 2 meter length and installed with approved adhesive which has been spread using an A2 notched trowel on a previously prepared class 1 subfloor with a 50mm below surface drilled moisture content reading of 75% RH in accordance with SANS 10070, including all cutting and waste joints must be heat welded using the manufacturer's matching welding rod and all installed according to manufacturer's specifications.</p> <p>To floors</p>	m2	682	

	<p style="text-align: center;"><b>Carried to Collection</b></p>		<p style="text-align: center;">R</p>	
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**Section No. 2**  
**BUILDINGS**  
**Bill No. 8**  
**Floor Coverings, Plastic Linings, etc. Tender**  
*Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<p><u>608 x 608mm x 2mm Polyflor SD Group M homogeneous &amp; monolayer vinyl sheeting/tiles or equal and approved with static dissipative properties</u></p> <p>The flooring shall be manufactured in accordance with and conforming to the requirements of EN 649, in respect of flame spread, the flooring shall have been fully tested to EN 13501-1 and certified as having Class Bfl-S1, achieving the criteria EN ISO 9239-1 =8kw/m2 and the mandatory requirement of EN ISO 11925-2 pass, tested to ASTM E648 and certified as having passed with a Class 1 rating, making it suitable for use in institutional, commercial and public buildings. The flooring to be suitable for commercial areas with very heavy use; and light industrial areas with heavy use, and laid in Polyflor approved acrylic adhesive which has been spread using an A2 notched trowel on a previously prepared Class 1 sub-floor with a 50mm below surface drilled moisture content reading of 75% RH in accordance with SANS 10070, using Polyflor approved self-levelling screed when required, including all cutting and waste, rolled in both directions with an articulated 68kg three-sectional roller immediately after it has been laid into the adhesive, joints must be butted, U-shape grooved 2/3rds thickness of the sheet and heat welded using the manufacturer's welding rod, maintenance according to the manufacturers PUR maintenance programme. Floor finish junctions to receive aluminium transition trim.</p> <p>Sheeting to have neatly welded joints. All to be installed by certified specialist contractor.</p>			
6	To floors	m2	9	
7	Turn-ups over coves and up against walls not exceeding 300mm girth	m	23	

<b>Carried to Collection</b>			R	
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 8</b> <b>Floor Coverings, Plastic Linings, etc. Tender</b> <b>Bills of Quantities</b>				

Item No	Quantity	Rate	Amount R
8	m2	55	
<p><u>600 x 600mm x 3mm thick Polyflor Ecore's ECOsurfaces Classic or equal and approved nonlaminated rubber surfac manufactured from a formulation of high quality post-consumer recycled rubber granules encapsulated in a wear and waterresistant elastometric network with multiple coloured reprocessed Colorm Mill EPDM rubber</u></p> <p>To floors</p> <p>The following flooring's classification must be at least 23/32/41 for 3.0mm commercial areas with general traffic use and light industrial areas with moderate use, with studs of diameter 28,5mm at the base and 0.5mm in respect of flame spread, the flooring shall have been fully tested to EN13501-1 and certified as having class Cfl-S1.</p> <p>The flooring material must be resistant cigarette burns as classified by EN 1399.</p> <p>The flooring shall be classified as DS, making it suitable for use in dry areas all laid with the correct adhesive and installed according to the manufacturer's specification's</p>			
9	m2	143	
<p><u>500 x 500 x 3mm thick High-grade synthetic rubber tile, Noppe Stud 500 x 500mm in 3.0mm thickness with low profile circular studs with slip resistance and easy maintenance conforming fully with the requirements of EN 12199.</u></p> <p>To floors</p> <p><u>500 x 500mm Belgotex Berber Point 920 or equal and approved heavy duty commercial carpet tiles manufactured from stain proof miracle fibre (Polypropylene) laid in accordance with SANS 10186 fitting code practice</u></p> <p>The carpet tiles to be installed in tessellated format only</p>			

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10	On floors	m2	84		
				R	
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Item No		Quantity	Rate	Amount	R
	<u>Heavy duty commercial broadloom stretch with appropriate quality carpet under felt according to the manufacturers specification and recommendations</u>				
11	On floors	m2	16		
	<u>10mm Coba Africa P Lan A or equal and approved entrance matting with aluminium rails, PVC connection strips, Econy regenerated nylon inlays</u>				
	On Floors				
12	<b>SKIRTINGS, NOSINGS, ETC</b>	m2	8		
	<u>Polyflor or equal and approved</u>				
13	Capping strip (Code: CS48)	m	366		
14	Cove former (Code: PC20)	m	366		
15	Fully flexible MC17C set in coving 100 x 70mm with joints welded with matching welding rod and to use cover filler PC20 behind the skirting	m	133		
	<u>M-Trim</u>				
16	19 x 10 x 2,5mm Stainless steel carpet gripper transition to tile	m	7		

17	<p><u>Kirk M-Trim or equal and approved</u></p> <p>75mm x 27mm x 2,5m Natural Anodised double Stair Nosing Supplied with two black ridged infill which are pushed into channels Base can be screw fixed before fitting infill with two black ridged PVC infill.</p>	m	398	R	
<b>Carried to Collection</b>					
<p><b>Section No. 2</b>  <b>BUILDINGS</b>  <b>Bill No. 8</b>  <b>Floor Coverings, Plastic Linings, etc. Tender</b>  <i>Bills of Quantities</i></p>					

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Item No		Quantity	Rate	Amount R
	<b><u>BILL NO. 9</u></b>			
	<b><u>IRONMONGERY</u></b>			
	<b>SUPPLEMENTARY PREAMBLES</b>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:			
	BS Satin bronze lacquered CH Chromium plated			
	SC Satin chromium plated			
	SE Silver enamelled			
	GE Grey enamelled			
	AS Anodised silver			
	AB Anodised bronze			
	AG Anodised gold			
	ABL Anodised black			
	PB Polished brass			
	PL Polished and lacquered			
	PT Epoxy coated SD Sanded			
	<b>HINGES, BOLTS, ETC</b>			
	<u>Dormakaba or equal and approved</u>			
1	Disabled WC indicator (Red & White) and turn knob for physically impaired (Code: DWC-006)	Pairs	33.0	
2	Stainless steel Adjustable Roller Bolt (Code: DBC-SS022)	No	1	

<b>Carried to Collection</b>			R	
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 9</b> <b>Ironmongery</b> <i>Tender Bills of Quantities</i>				

Item No	Description	Quantity	Rate	Amount R
	<b>CATCHES, CABIN HOOKS, ETC</b>			
	<u>Dormakaba or equal and approved</u>			
3	Stainless Steel Hat and Coat Hook with rubber buffer (Code: DHC-SS-031B)	No	33	
4	<u>Franke or equal and approved</u>	No	16	
	Wall/ door mountable stainless steel coat hook, size 18mm wide x 38mm high x 60mm deep (Code: STRX692)			
	<b>LOCKS</b>			
	<u>Dormakaba or equal and approved</u>			
	The following locks are to be suitable for master key operation			
5	Stainless Steel Cylinder Deadlock with case size 116,5mm high x 78mm deep and Forend size 168mm high x 22mm wide and Backset size 57mm (Code: D037D SS).	No	13	
6	65mm Satin Nickel five pin Euro-profile Double Cylinder Key to Differ (Code: DDC056501 KD)	No	26	
7	Stainless steel Round Cylinder escutcheon (Code: DCE002 S.S)	Pairs	13.0	

8	Bathroom Deadlock with case 102mm high x 78mm deep and forend size 155mm high x 22mm wide and Backset size 57mm (D032D SS)	No	33		
9	Nickel plated 42mm five pin Euro-profile Single Cylinder Key to Differ (Code: DSC054201 KD)	No	14		
<b>Carried to Collection</b>					
<p><b>Section No. 2</b>  <b>BUILDINGS</b>  <b>Bill No. 9</b>  <b>Ironmongery</b>  <i>Tender Bills of Quantities</i></p>					

Item No			Quantity	Rate	Amount R
10	Stainless steel cylinder sash lock with case size 116.5mm high x 78mm deep and forend size 168mm high x 22mm wide, including backset size 57mm and centres 61mm (Code: D036S SS)	No	12		
11	Narrow stile cylinder escutcheon (Code: DCE-105 S.S)	Pairs	2.0		
12	Stainless steel narrow stile roller dead lock with case size 174mm high x 41mm deep and Forend size 238mm high x 22mm wide and Backset 35mm (Code: D07935 SS)				
	<b>HANDLES</b>				
		No	2		
13	<u>Dormakaba or equal and approved</u>				
	DPH301C Pull Handle BT fixed Left on a 200mm x 813mm x 1.2mm thick Grade 430 stainless steel plate (elsewhere measured) with no cylinder cut-out (Code: DHPL-430-BL-SF 200 x 813mm)	No	27		
14	Satin Nickel Exterior access lock with lever handle (Cylinder not included) (Code: PHT3901)	No	13		

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15	Stainless steel 325x25mm Straight Tubular Pull Handle Flange Fixing (Code: DPH301B)	No	6		
16	Stainless steel Lever handle on rose with Cylinder escutcheons (Code: TH125 CYL S.S)	Pairs	8.0		
17	Stainless steel Lever handle on narrow stile rose with stile Cylinder escutcheons (Code: TH125 CYL S.S)	Pairs	4.0		
18	Two point locking panic bar for single door with door leaf 1000mm wide x 2270mm high (3102. PHX02. PHX04) (Code: PHB2 SS D)	Pairs	1.0		
19	Three point locking panic bar for double door with door leaf 1000mm wide x 2270mm high each (3101. 3102. PHX02. PHX04) (Code: PHB3 S DD)	Pairs	11.0		
<b>Carried to Collection</b>					
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Item No		Quantity	Rate	Amount R
20	Three point locking panic bar for double door with door leaf 1000mm wide x 2270mm high each (2101. 2104. 2104. 2201. 2201. PHX02. PHX04) (Code: PHA3 S DD)	Pairs	1.0	

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21	Stainless steel 400 x 30mm Offset Tubular Pull Handle BT to comply with BS 8424. Grade 3 - Heavy Duty (Code: DPH206 BT)	No	4	
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Item No		Quantity	Rate	Amount R
<b>PUSH PLATES AND KICKING PLATES</b>				
<u>Dormakaba or equal and approved</u>				
22	200mm High x 813mm wide x 1.2mm thick Grade 430 stainless steel kick plate with have 10 countersunk holes for screw fixing (Code: DKP-430-SF 200 x 813)	No	184	
23	200mm High x 813mm wide x 1.2mm thick Grade 430 stainless steel kick plate with have 10 countersunk holes for screw fixing (Code: DPP-430-BL-SF 200 x 813)	No	27	
<b>DOOR CLOSERS</b>				
<u>Dormakaba or equal and approved</u>				
The following door closer to be compliant with EN 1154. Door closer is CERTI FIRE approved (Certificate No. CF 119) for door types ITT 120, MM/IMM 240. Certified manufacturer to ISO 9001.				
24	Silver non-hold open cam action slide channel door close with closing force EN 3 Hydraulic speed control with Pull-side door leaf fixing (Standard), Push-side transom fixing (Code: TS91B - SL)	No	10	
25	Silver non-hold-open cam action slide channel door closer. with Closing Force EN 2- 4V Adjustable strength Hydraulic speed control. Pull- side door leaf fixing (Standard), Push-side transom fixing (Code: TS92B - SL)	No	25	
26	Silver non-hold-open cam action slide channel door closer with Closing Force EN 2- 4V Adjustable strength Hydraulic speed control. Pull- side door leaf fixing (Standard), Push-side transom fixing (Code: TS92G - SL)	No	6	

	<b>Carried to Collection</b>		R	
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Item No	Description	Quantity	Rate	Amount R
27	Silver EN 2-4 Parallel Arm Delayed Action Door Closer with Push Side Fixing (Parallel Arm Bracket Included) EN2 750-850, EN3 850-950, EN4 950-1100 (Code: TS73V PA DC - PAB - SL)	No 3		
	<b>LETTERS, NAMEPLATES, ETC</b>			
	<u>Dormakaba or equal and approved</u>			
28	Stainless steel 150 x 150mm Male / Female sign (Code: DSS-150 MF)	No 3		
29	Stainless steel 150 x 150mm Male sign (Code: DSS-148 MF)	No 3		
30	Stainless steel 150 x 150mm Female sign (Code: DSS149 F)	No 3		
31	Stainless steel 150 x 150mm Disabled sign (Code: DSS151 P)	No 3		
	<b>BATHROOM FITTINGS</b>			
	<u>Dormakaba or equal and approved</u>			
32	Stainless steel 800 x 206mm Cistern Back Rail (Code: DGR-SS-150)	No 3		
33	Stainless steel 300 x 300 x 300mm Side Grab Rail (Code: DGR-SS-152)	No 3		

34	<u>Franke or equal and approved</u>  Stratos STRX616 1,2/1,5mm thick satin finished stainless steel foam dispenser (Code: 2120047), size 100 x 134 x 304mm high with a replaceable and refillable 1 litre container, cylinder lock with standard Franke key, plugged and screwed to the wall with stainless steel screws	No	28	R	
<b>Carried to Collection</b>					
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 9</b> <b>Ironmongery</b> <i>Tender Bills of Quantities</i>					

Item No		Quantity	Rate	Amount	R
35	Stratos STRX600 1,2/1,5mm thick satin finished stainless steel paper towel dispenser (Code: 359700), size 300 x 134 x 305mm high with a capacity of 300-400 towels and cylinder lock with standard Franke key, plugged and screwed to the wall with stainless steel screws.	No	19		
36	Stratos STRX605 1,2/1,5mm thick satin finished stainless steel waste bin (Code: 359730), size 300 x 270 x 520mm high, capacity of 34 litres and cylinder lock with standard Franke key, plugged and screwed to the wall with stainless steel screws.	No	11		
37	Stratos STRX672 1,2/1,5mm thick satin finished stainless steel double toilet roll dispenser (Code: 359716), size 156 x 141 x 303mm high for 2 rolls maximum 108mm diameter with spindle system and cylinder lock with standard Franke key, plugged and screwed to the wall with stainless steel screws.	No	27		

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38	Stratos STRX611 surface mounted sanitary towel disposal bin, manufactured from Grade 304 1.2/1.5mm stainless steel, satin finished with surface treatment - InoxPlus (anti fingerprint). (Code: 2120050), size 205 x 134 x 305mm Disposal bin incorporates a plastic container with a 3.8l capacity and has stainless steel piano hinge, includes mounting kit	No	13		
39	Cistern & flush valve back rail manufactured from Grade 304 stainless steel, satin finish to prevent slipping with dia. 32mm, size 750 x 260mm (Code: CNTXBR), to include screws & dowels	No	4		
40	Grab rail with FFG-surface (Franke fine Grip) manufactured from 18/10 stainless steel (Code CNTX700A). Diameter 31.8mm; certified. Screws and dowels included	No	4		
41	Grab rail manufactured from Grade 304 stainless steel, satin finish to prevent slipping, with dia of 31.8mm. To include screws and dowels, size 750 x 95mm (Code: CNTX750)	No	4		R
<b>Carried to Collection</b>					
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Item No		Quantity	Rate	Amount R
42	Stainless steel mirror manufactured Grade 304 1mm thickness, size 400 x 300 x 1mm, high polished 4 drillings (Code: CHRH401)	No	12	
	<u>Bathroom Butler or equal and approved</u>			
43	Stainless steel double towel rail manufactured from GRADE 304 stainless steel, size 673mm wide x 135mm deep x 48mm high (Code:4682) (Finish: Brushed)	No	16	

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44	Shower rack manufactured from GRADE 304 stainless steel, size 378mm wide x 130mm deep x 79mm high (Code: 4620) (Finish: Brushed)	No	16		
	<b>SUNDRIES</b>				
45	<u>Dormakaba or equal and approved</u> Nickel plated Floor Mounted Door Stop (Code: DDS-NP018)	No	59		
	<b>Carried to Collection</b>				
	Section No. 2 BUILDINGS Bill No. 9 Ironmongery <i>Tender Bills of Quantities</i>				R

Item No		Quantity	Rate		Amount R
	<b>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</b>				

	<u>Van Dyck Carpets or equal and approved</u>			
46	Pinning board made from 100% PFX Stain shield staple fibre or similar approved, encased in MDF 16mm panel framework to be Duco spray painted	No	8	
47	<u>Vitraflex or equal and approved vertical wall writing pannels</u> Light guage panels (C-Type or Composite panel)	m2	10	
<b>Carried to Collection</b>				
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Item No		Unit	Quantity	Rate	Amount R
	<b><u>BILL NO 10</u></b>				
	<b><u>STRUCTURAL STEELWORK</u></b>				
	<b>SUPPLEMENTARY PREAMBLES</b>				
	<u>Descriptions</u>				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	<b>STEEL COLUMNS AND BEAMS</b>				
1	<u>Welded columns in single lengths with flat section base, top, bearer and connection plates bolted to steel rafters.</u> 254 x 146 x 31mm x 31.3kg/m I-section stub columns	t	1.24		
2	<u>Welded beams in single lengths with flat section bearer and connection plates bolted to steel columns</u> 200 x 75 x 25mm x 25.3kg/m PFC-section false rafter	t	1.29		
3	305 x 165 x 41mm x 40.5kg/m I-section rafter	t	0.23		
4	<u>Bolts to columns, beams, etc</u> M20 Grade 8.8 bolts J Anchor bolts with minimum anchor length of 750mm	t	2.16		



11	M16 Grade 4.8 bolts	t	1.11		
				R	
	<b>Carried to Collection</b>				
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 10</b> <b>Structural Steelwork</b> <i>Tender Bills of Quantities</i>				

Item No		Unit	Quantity	Rate	Amount R
	<b>PURLINS, GIRTS, BRACING, ETC</b>				
	<u>Purlins and girts bolted to steel</u>				
12	250 x 75 x 20 x 2.5mm x 8.31kg/m CFLC Purlins	t	7.90		
	<u>Welded bracing etc with flat section connection plates bolted to steel</u>				
13	75 x 50 x 20 x 2.5mm x 2.96kg/m CFLC Sag bars with 4mm end plates	t	0.80		
14	70 x 70 x 6mm x 6.38kg/m Angle cross bracing	t	2.00		
15	60 x 60 x 5mm x 4.57kg/m Angle knee bracing	t	1.22		

16	<p><b>SUNDRIES</b></p> <p>6mm Steel plate welded into angle iron (angle iron elsewhere measured)</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 10</b> <b>Structural Steelwork</b> <i>Tender Bills of Quantities</i></p>	t	1.00		
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	<p><b>Section No. 2</b></p> <p><b>BUILDINGS</b></p> <p><b>Bill No. 10</b></p> <p><b>Structural Steelwork</b></p> <p><b><u>COLLECTION</u></b></p>		Page No		Amount R
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Total Brought Forward from Page No.	107		
Total Brought Forward from Page No.	108		
Total Brought Forward from Page No.	109		
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<b>Section No. 2</b>			
<b>BUILDINGS</b>			
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<b>Structural Steelwork</b>			
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Item No		Quantity	Rate	Amount R
	<p><b><u>BILL NO. 11</u></b></p> <p><b><u>METALWORK</u></b></p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><b><u>STEEL HANDRAILS, BALUSTRADING, ETC</u></b></p> <p><b>MENTIS INTER-LINK BALL TYPE OR EQUAL AND APPROVED TUBULAR RAILING SYSTEM</b></p>			
1	<p><u>The following in zinc chromate primed steel balustrading as described:</u></p> <p>42,9mm Diameter x 2,5mm thick Ball type tubular welded construction stanchion (1020mm high) with one end fixed in concrete including baseplate, screws, rubber ends plugs, etc. (In No. 28) (Refer to Architect's drawings DT-401 MB_BLSTDE-REV A)</p>	m	29	
2	<p>34,1mm Diameter x 2,5mm thick tubular handrail tubing top and intermediate rails. (Refer to Architect's drawings DT-401 MB_BLSTDE-REV A)</p>	m	31	
3	<p>60 x 60 x 6mm x 5,42kg/m Angle corner protector (Refer to Architect's drawings DT-401 MB_BLSTDE-REV A)</p>	t	0.03	
4	<p>Extended hand rail code: 2B (Refer to Architect's drawings DT-401 MB_BLSTDE-REV A)</p>	No	3	

	<b>Carried to Collection</b>		R	
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Item No	Quantity	Rate	Amount R
5	Harmer drive screw (Reference: item 11)	No	56
6	35mm Diameter solid peg (Reference: item 12)	No	56
7	Rubber end plug (Reference: item 10)	No	5
	<u>The following in zinc chromate primed steel Handrail as described:</u>		
8	38mm Diameter x 3mm thick mild steel circular hollow	m	32
9	50mm Diameter x 3mm thick mild steel pipe Handrail	m	18
10	Knee 50mm x 3mm thick mild steel pipe handrail to (In No.5)	m	5
11	Handrail bracket with 19mm diameter mild steel posts x 84mm long with 80 x 40 x 8 mm plate welded on, four times holed for 10 mm diameter bolt (elsewhere measured).	No	32
12	Handrail bracket with 12mm diameter mild steel round bar bent to curve posts x 80mm long with 3mm thick bent plate and 50mm diameter thick wall plate welded on, four times holed for 10 mm diameter bolt (elsewhere measured) (Refer to Architect's drawings DT-401 MB_BLSTDE-REV A)	No	18
13	Stop end.	No	6
14	Mild steel dome caps	No	10
15	Cut hole through 3 mm thick mild steel for 20 mm diameter bar (elsewhere measured).	No	64

16	10 x 75 mm Expanding bolt including fixing to concrete or brickwork.	No	64		
	<b><u>WELDED SCREENS, GATES, ETC</u></b>				
	<b>Carried to Collection</b>				
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 11</b> <b>Metalworks</b> <i>Tender Bills of Quantities</i>			R	

Item No		Quantity	Rate	Amount	R
17	<u>Screens and gates</u>  Single gate 875 x 2040mm high of 35 x 35mm mild steel tubing outer frame and 35 x 35mm angle section inner frame welded to outer frame, filled in with Steledale or equal and approved specimesh fixed all round to inner frame with 50 x 100 x 3,15 aperture (code: M190) neatly welded to interior face of screen fitted with a pair of suitable hinges welded to post and lockable sliding bolt with keep in gate post	No	1		
18	Single gate 1030 x 1615mm high of 35 x 35mm mild steel tubing outer frame and 35 x 35mm angle section inner frame welded to outer frame, filled in with Steledale or equal and approved specimesh fixed all round to inner frame with 50 x 100 x 3,15 aperture (code: M190) neatly welded to interior face of screen fitted with a pair of suitable hinges welded to post and lockable sliding bolt with keep in gate post  <b><u>PRESSED STEEL DOOR LININGS</u></b>	No	2		
	<u>30 x 30 x 2mm Mild steel square tube framework suitable for one brick wall for:</u>				
19	Door, size 725 x 2030 mm high.	No	1		
	<u>1,2 mm Thick single rebate door lining suitable for half brick wall for:</u>				
20	Door, size 815 x 2030 mm high.	No	6		

21	Door, size 813 x 2030 mm high.	No	8		
	<u>1,2 mm Thick double rebate door lining suitable for one brick wall for:</u>				
22	Door size 813 x 2030 mm high	No	5		
23	Door size 815 x 2030 mm high	No	4		
24	Door size 813 x 2040 mm high	No	2		
<b>Carried to Collection</b>					
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				R	

Item No			Quantity	Rate	Amount R
25	Door size 845 x 2030 mm high with 845 x 290 mm high fanlight over.	No	3		
26	Door size 1625 x 2040 mm high.	No	1		
27	Door size 1625 x 2040 mm high with 1685 x 295 mm high fanlight over.	No	4		
28	Door size 1625 x 2040 mm high with 1625 x 305 mm high fanlight over.	No	5		
29	Door size 1685 x 2040 mm high with 1685 x 295 mm high fanlight over.	No	2		
30	Door size 1685 x 2040 mm high with 1685 x 280 mm high fanlight over.	No	3		
	<u>Galvanised iron pressed steel doors and linings:</u>				
31	Transformer room door and frame size 1525 x 2465 mm high (D26)	No	1		

<p>32</p> <p>33</p>	<p><u>Steel Louvre doors manufactured from 1,6mm mild steel skins, folded and mechanically fixed to form a rigid 45mm thick door leaf</u></p> <p>Double door 1830 x 2115mm high (D01 - Refer to Architect's drawing PL-111_GK - Rev A)</p> <p><b><u>ROLLER SHUTTER DOORS</u></b></p> <p><u>Roller shutter doors</u></p> <p>Manually chain operated roller shutter door for opening 3000 x 2380mm high with galvanised steel fenestra slats with polycarbonate inserts and sprocket reduction gears fitted with spring loaded barrel (D02 &amp; D24 - Refer to door schedule MB-DC-600_GF Door_Rev A)</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 11</b> <b>Metalworks</b> <i>Tender Bills of Quantities</i></p>	<p>No</p> <p>No</p>	<p>2</p> <p>4</p>	<p></p> <p>R</p>
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Item No		Quantity	Rate	Amount R
34	<p>Manually chain operated roller shutter door for opening 3600 x 3140mm high with galvanised steel fenestra slats with polycarbonate inserts and sprocket reduction gears fitted with spring loaded barrel (D01 - Refer to door schedule MB-DC-600_GF Door_Rev A)</p> <p><b><u>BRASS</u></b></p>	No	4	
35	<p><u>Brass</u></p> <p>6 x 25 mm Water bar set flush between different floor finishes.</p> <p><b><u>SUNDRY ALUMINIUM WORK</u></b></p>	m	40	

36	<p><u>Custom Interpon or equal and approved powder coated aluminium door frames suitable for half brick wall</u></p> <p>Door size 1225 x 2380mm high overall with 1225 x340 mm high fanlight over and 365 x 2040mm high fixed light</p>	No	4	
37	<p><u>Custom Interpon or equal and approved powder coated aluminium door frames suitable for one brick wall</u></p> <p>Door size 1225 x 2380mm high overall with 1225 x340 mm high fanlight over and 365 x 2040mm high fixed light</p>			
	<p><b><u>STEEL STRONGROOM DOORS, VENTILATORS, ETC</u></b></p>	No	1	
38	<p><u>Bitcon or equal and approved category 2 strong room strongroom doors suitable for 230mm walls fixed to brickwork or concrete</u></p> <p>Strong room door and frame 815 x 2040mm high overall with a mass of 590kg</p>	No	1	
	<p><b><u>POWDER COATED ALUMINIUM LOUVRE UNITS</u></b></p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 11</b> <b>Metalworks</b> <i>Tender Bills of Quantities</i></p>			R

Item No		Quantity	Rate	Amount R
39	<p><u>Non-adjustable vertical louvre units consisting of 120 x 80 x 10mm wall plate fixed to wall &amp; welded to flat br, 60 x 10mm flat bar, louvre blades in fixed position at 32 degrees, 200 x 50mm Aerofoil profile spaced at 200mm c/c, 15 x 15mm vertical SQ bars welded to flat and 15 x 15mm horizontal SQ bars welded between bars spaced at 200mm c/c fixed to wall.</u></p> <p>Louvre unit for 3880 x 1950mm high opening</p>	No	9	

40	Louvre unit for 4554 x 1415mm high opening	No	2		
	<u>Louvre panels screwed into timber doors</u>				
41	Panel 500 x 300mm high	No	17		
42	Panel 500 x 600mm high	No	2		
	<u>Non-adjustable horizontal SL-70 Louvre system with 100 x 50 x 5,25mm RHS frame, 70 x 50 x 3mm angle iron and wall plate fixed to wall</u>				
43	Louvre unit for 633mm wide high opening	No	2		
	<b><u>ALUMINIUM WINDOWS, DOORS, ETC</u></b>				
	User note:				
	A detail specification is to be inserted as necessary - The following is an updated standard specification based on AAAMSA Buyers Guide 2004				
	<b>SPECIFICATION</b>				
	<u>Scope of work</u>				
	Provide all labour, materials and equipment necessary for the design, supply and fixing of the works described herein, in conformity with the drawings referred to, this specification and AAAMSA specification				
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Aluminium work

The architectural aluminium work in windows and doors must carry the Certification Seal of the Association of Architectural Aluminium Manufacturers of South Africa and no items which are not so certified will be accepted on site

Tender drawings and samples

The tenderer shall submit **together with his tender** sufficient detailed drawings and samples to illustrate the type of sections he intends to use for all elements of the work, including jamb, sill, head, coupling, beading, etc, waterproofing, ironmongery, etc and fixing method details

Aluminium sections

Extruded aluminium sections shall be fabricated from alloy 6063 or 6061 in temper T5 or T6 all in accordance with the latest edition of BS EN 755 - "Aluminium and its alloys - extruded rod / bar, tube and profiles"

Ancillary members such as sills, flashings, infill panels and the like which may be formed from flat sheet material shall be fabricated from aluminium alloy 1200 or 3004 or 5251 of appropriate temper all in accordance with the latest edition of BS EN 573 - "Aluminium and Aluminium Alloys"

The extrusions must be free from copper, hammer marks or other defects. Under no circumstances is mild steel, brass or any other metal containing copper to be used where it will come into direct contact with the aluminium

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After manufacture the aluminium sections are to be cleaned in an approved manner to ensure uniform appearance and it is to be protected during transport to site and during installation with a strippable approved plastic tape or wrapping as required, which is only to be removed once the "rough and wet" trades have finished with their work

All frames are to be true and square. Joints are to be mechanically joined or welded in accordance with the best practice. Assembly screws and bolts are to be stainless steel and fixing screws are to be cadmium plated

The contractor shall provide all the necessary subframes, structural supports, lugs, brackets and cleats necessary to ensure the stable fixing of window and door sections to surrounding structures

Anodising

All architectural anodising shall be in strict accordance with SANS 999 of colour as described with a nominal thickness of between 60 - 80 microns

The specific purchasing conditions contained in SANS 999 shall be deemed to be incorporated in this specification

Powder coating

All architectural powder coating shall be in strict accordance with SANS 1796 and the powder applied in strict accordance with SANS 1578 of colour as described with a nominal thickness of between 60 - 80 microns

The specific purchasing conditions contained in SANS 1796 shall be deemed to be incorporated in this specification

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The powder manufacturer shall issue a powder guarantee of a minimum of 15 years. The specific conditions contained in this guarantee shall form part of the powder coating process and may only be applied by an approved powder applicator

All aluminium shall be pre-treated in accordance with SABS 1796 so as to ensure excellent adherence properties

Coil coating (painted aluminium sheet)

All coil coating of architectural aluminium flat sheet products shall be in strict accordance with :

ASTM D2247 in respect of Humidity Resistance

ASTM G53 and ASTM D3361 in respect of Accelerated Weathering

ASTM B117 in respect of Acid Salt Spray

ASTM D4145 in respect of Formability

ASTM D3363 in respect of Pencil Hardness

ASTM D523 in respect of Specular Gloss

ASTM D2794 in respect of Reverse Impact

All coil coated architectural aluminium flat products are to be provided with a manufacturer's extended guarantee in respect of substrate and painted surface (20 years subject to manufacturer's performance guarantee conditions)

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Written certificates

Tenderers are advised that written certificates of conformance will be required in terms of all the references as referred to above

Shop drawings, details and calculations

The successful tenderer will be required to prepare full drawings incorporating plans, elevations, sections, details, etc for approval by the architects and/or structural engineers, prior to putting any work in hand

Copies of the approved drawings shall be supplied to the architects and any other subcontractor whose work is affected. Notwithstanding any approval of these details, the successful contractor shall remain responsible for the design and for ensuring that the dimensions, details and workmanship results in the correct performance and assembly of the work.

Fixing

Windows and doors must be fixed by the manufacturer into pre-formed openings including all necessary brackets, anchors, other fastening devices, spacers, timber grounds, etc and must be perfectly plumb and be strutted and braced as necessary to prevent distortion

Responsibility

The successful tenderer will be responsible for the structural, general detail and design of the works described, which is to be in accordance with the overall architectural design parameters as outlined on the drawings. The structural design must in all respects comply with the tolerances and design requirements set out in this specification

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It will be the contractor's responsibility to comply in all respects with Local Authority and Central Government regulations and to obtain all the necessary approvals as required from the respective Authorities.

Notarized certificates of compliance must be provided with shop drawings for the architect's approval as requested

Warranty and indemnity

The tenderer must undertake to provide when called upon an acceptable warranty to guarantee the following:-That all components are to be guaranteed for 10 years after installation. That the standards of workmanship, materials and tolerances are in accordance with this specification and with the relevant SABS and/or BS Standards where applicable. That the works described has been designed to comply with the requirements set out herein. That the use of all materials included in the total construction shall take due cognisance of the manufacturer's warranty, recommendation and specification for their respective uses and shall where applicable be in accordance with the relevant SABS and/or BS Standards.

Performance standards

Thermal movement (where applicable) The contractor shall provide allowances for free and noiseless vertical and horizontal thermal movement due to the contraction and expansion of component parts, for a temperature range of not less than -10°C to +35°C. Buckling, opening of joints, glass breakage, undue stress on fasteners, failure of sealants or any other detrimental effects due to the thermal movement of component parts shall not be permitted

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Deflection The deflection of any framing member in a direction normal to the plane of the wall when subjected to its full design load, shall not exceed 1/175 of its clear span or 20mm, whichever is less. The vertical deflection of any horizontal member supporting glass, when carrying its full design dead load, shall not exceed 1/300 of the clear span of the member or 8mm, whichever is less. The deflection of any member in a direction parallel to the plane of the wall when carrying its full design load, shall not exceed 3mm

Fittings

Glazing beads, gaskets and glazing compounds shall be of materials that are compatible with the aluminium finishes, the glass and other glazing materials. Putty glazing is not permitted

Hardware, bearing devices and fittings in general must be of materials resistant to atmospheric corrosion for all inland installations, but when installed in highly corrosive environments, such as coastal or close proximity to the sea, all said fittings must be made from non-corrosive materials and shall be of a design so as to be accessible for adjustment, repair and replacement after the windows etc have been installed

Fastenings shall be of material which is compatible with aluminium and aluminium finishes

Primary anchorage

Anchorage to the structure shall be done by approved methods and in strict accordance with the approved shop drawings

Embedded concrete inserts supplied by the contractor shall be used as required for the anchorage. The timely and adequate supply of cast-in items is entirely the responsibility of the contractor

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Tolerances

The contractor is to take into account the building tolerances prior to manufacture commencing and no responsibility will be accepted by the architects in respect of lack of fit of any of the window and door assemblies

Pointing

All external windows and doors shall be waterproofed with an approved wax impregnated sealing strip between the aluminium frame and the structure, and in addition shall be pointed all round on both sides with an approved two-part polysulphide liquid polymer sealing compound

Ironmongery

All ironmongery is to be best quality of the respective kinds

Ironmongery not described but necessary for the works is to be included in the tender with sufficient supportive detail and references for approval by the architect together with the tender

Glazing

Windows and doors are to be glazed with glass as described herein. Glazing may be either factory or site glazed and must be clean and free from defects on completion of glazing

Glazing shall be executed strictly in conformance with glass manufacturer's recommendations and all in accordance with the National Regulations Part N, SANS 10137, SANS 10400 and SANS 1263

All safety glazing materials (individual panes) shall be permanently marked. Such marking to be visible after installation (glazing)

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The successful tenderer shall submit the AAAMSA Glass & Glazing Certificate confirming that glazing has been installed in accordance with SANS 10137 ensuring that Safety Glazing Materials have been installed and individually marked in the mandatory areas

A warranty is to be provided that the manufacturer of the laminated safety glass and / or the hermetically sealed glazing units warrants the product against delamination and colour degradation for a period of not less than 5 (five) years

In the case of structural glazing, written proof is to be provided that all stages of fabrication and installation have been executed with disciplined quality assurance in accordance with the relevant part of SABS ISO9000

Written confirmation of compatibility of structural sealant with extrusion surface, glazing tape and glass is to be supplied by the structural sealant manufacturer together with the regular relevant test reports regarding the adhesion of the sealant to the aluminium frame in accordance with ASTM/C 794-80 (Standard Test for Adhesion-in-Peel of Elastomeric Joint Sealants)

Servicing

When necessary, all protection plastic tape or wrapping shall be removed and the windows and doors shall be thoroughly cleaned and tested, serviced with all necessary adjustments and / or repairs carried out before handing over the Works

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Item No		Quantity	Rate	Amount R
44	<p><u>Tender rates</u></p> <p>The tender rates are to include for the design, manufacture, powder coating, labour and material for the windows, doors, etc including all accessories, necessary sub-frames, structural supports, brackets, etc ironmongery, protective tape/wrapping, glass, sandblasting, sealing between units and between units and structures, packing, cartage, delivery to site and erection including all shop drawings, samples, etc items, work, etc not specifically stated here or shown on the drawings but generally required to complete the works and cost implications of the Preliminaries applicable to the principal agreement</p> <p>The tenderer shall accept full responsibility for the accuracy of his measurement of quantities etc of all the components and the completed works shall therefore not be subject to remeasurement. Only authorised variations from this bill of quantities will be subject to adjustment</p> <p><u>References</u></p> <p>The references given in the descriptions are to the respective types of windows, doors, etc on the architect's schedule drawings included at the back of this bill of quantities</p> <p><b>WINDOWS AND DOORS</b></p> <p><u>Custom Interpon or equal and approved powder coated aluminium windows glazed with 6,38mm clear bullet proof safety glass and plugged to brickwork or concrete</u></p> <p>Window 2675 x 1100mm high with 1No. Top Hung Pane and 3No. fixed pane (W03) (drawing No PL-110_GH - REV A)</p>	No	1	

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45	No	1	
<u>Custom Interpon or equal and approved powder coated aluminium windows glazed with 6,38mm laminated Opaque safety glass and plugged to brickwork or concrete</u> Window 600 x 415mm high with 1No. Top Hung Pane (W01) (drawing No PL-110_GH - REV A)			
46	No	3	
<u>Qualicoat or equal and approved powder coated aluminium windows glazed with 4mm monolithic annealed Opaque glass and plugged to brickwork or concrete</u> Window 509 x 595mm high with 1No. Top Hung Pane including aluminium factory fitted burglar bars provided for opening sections (W01) (drawing No PL-111_GK - REV A)			
47	No	32	
Window 510 x 850mm high with 1No. Top Hung Pane and 1No. Fixed pane (W06) (drawing No MB-WC500_GF WIN - REV A)			
48	No	3	
Window 1100 x 850mm high with 2No. Top Hung Panes and 1No. Fixed pane (W05) (drawing No MB-WC500_GF WIN - REV A)			
49	No	2	
Window 1100 x 1125mm high with 2No. Top Hung Panes and 2No. Fixed pane (W15) (drawing No MBWC-501_GF WIN - REV A)			
50	No	2	
Window 1215 x 510mm high with 2No. Top Hung Panes (W16) (drawing No MB-WC-502_GF WIN - REV A)			

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51	Window 1405 x 585mm high with 2No. Top Hung Panes including factory fitted burglar bars with minimum vertical spacing of 110mm and maximum spacing of 140mm (W22) (drawing No MB-WC-502_GF WIN - REV A)	No	1		
52	Window 1425 x 850mm high with 2No. Top Hung Panes and 1No. Fixed pane (W07) (drawing No MB-WC500_GF WIN - REV A)	No	2		
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53	Window 1500 x 850mm high with 2No. Top Hung Panes and 1No. Fixed pane (W08) (drawing No MB-WC500_GF WIN - REV A)	No	1		
54	Window 2400 x 1380mm high with 3No. Fixed panes and 3No. bottom hung panes (W05) (drawing No 21100-Frankfort - MB-WC-503_MEZZ WIN - REV A)	No	1		
<p><u>Qualicoat or equal and approved powder coated aluminium windows glazed with 6,38mm Sounprufe or equal and approved one-directional laminated safety glass manufactured with a special vinyl interlayer that offers better sound control than traditional polyvinyl butyral (PVB) interlayers and plugged to brickwork or concrete</u></p>					
55	Window 2000 x 1005mm high with 1No. Fixed pane (W07) (drawing No 21-100-Frankfort - MB-WC503_MEZZ WIN - REV A)	No	1		
<p><u>Qualicoat or equal and approved powder coated aluminium windows glazed with 6,38mm laminated clear safety glass and plugged to brickwork or concrete</u></p>					
56	Window 700 x 2380mm high with 2No. fixed panes (W12b) (drawing No 21-100-Frankfort - MB-WC501_GF WIN - REV A)	No	1		

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57	Window 945 x 1445mm high with 1No. top hung pane and 1No. fixed pane (W010) (drawing No 21-100Frankfort - MB-WC-501_GF WIN - REV A)	No	6		
58	Window 960 x 2720mm high with 1No. top hung pane, 1No. side hung pane and 1No. fixed pane (W03) (drawing No 21-100-Frankfort - MB-WC-500_GF WIN - REV A)	No	2		
59	Window 1765 x 2380mm high with 3No. fixed panes and 1No. side hung pane (W12a) (drawing No 21-100Frankfort - MB-WC-501_GF WIN - REV A)	No	1		
<b>Carried to Collection</b>					
<p><b>Section No. 2</b>  <b>BUILDINGS</b>  <b>Bill No. 11</b>  <b>Metalworks</b>  <i>Tender Bills of Quantities</i></p>					

Item No		Quantity	Rate	Amount R
60	Window 3600 x 1825mm high with 4No. fixed panes and 4No. bottom hung panes (W02) (drawing No 21-100Frankfort - MB-WC-503_MEZZ WIN - REV A)	No	4	
61	Window 3600 x 1825mm high with 4No. fixed panes and 4No. bottom hung panes (W04b) (drawing No 21-100Frankfort - MB-WC-503_MEZZ WIN - REV A)	No	2	
62	Window 3600 x 1825mm high with 4No. fixed panes and 4No. bottom hung panes (W06) (drawing No 21-100Frankfort - MB-WC-503_MEZZ WIN - REV A)	No	5	
63	Window 4565 x 1445mm high with 5No. fixed panes and 5No. bottom hung panes (W02) (drawing No 21-100Frankfort - MB-WC-503_MEZZ WIN - REV A)	No	2	
64	Window 6460 x 1280mm high with 3No. sliding pane, 4No top hung panes and 17No. fixed panes (W17) (drawing No 21-100-Frankfort - MB-WC-502_GF WIN - REV A)	No	1	

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65	Window 6845 x 870mm high with 5No. fixed panes (W01) (drawing No 21-100-Frankfort - MB-WC503_MEZZ WIN - REV A)	No	1		
	<u>Qualicoat or equal and approved powder coated aluminium windows glazed with 4mm monolithic annealed glass and plugged to brickwork or concrete</u>				
66	Window 1095 x 680mm high with 1No. top hung pane and 1No. fixed panes (W09) (drawing No 21-100Frankfort - MB-WC-501_GF WIN - REV A)	No	1		
67	Window 1360 x 915mm high with 1No. sliding pane and 1No. fixed pane (W21) (drawing No 21-100-Frankfort - MB-WC-502_GF WIN - REV A)	No	1		
68	Window 1585 x 900mm high with 2No. sliding panes and 1No. fixed pane (W18) (drawing No 21-100Frankfort - MB-WC-502_GF WIN - REV A)	No	1		
					R
	<b>Carried to Collection</b>				
	<b>Section No. 2 BUILDINGS Bill No. 11 Metalworks Tender Bills of Quantities</b>				

Item No		Quantity	Rate	Amount R
69	Window 2110 x 900mm high with 4No. top hung panes and 2No. fixed panes (W13) (drawing No 21-100Frankfort - MB-WC-501_GF WIN - REV A)	No	1	
70	Window 2385 x 900mm high with 2No. sliding panes and 2No. fixed panes (W19) (drawing No 21-100Frankfort - MB-WC-502_GF WIN - REV A)	No	1	
71	Window 2400 x 1445mm high with 4No. top hung panes and 2No. fixed panes (W11) (drawing No 21-100Frankfort - MB-WC-501_GF WIN - REV A)	No	4	

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72	Window 2500 x 610mm high with 2No. top hung panes and 1No. fixed pane (W02) (drawing No 21-100-Frankfort - PL-111_GK - REV A)	No	1		
73	Window 5815 x 1280mm high with 4No. sliding panes, 4No. top hung panes and 17No. fixed panes (W02) (drawing No 21-100-Frankfort - MB-WC-500_GF WIN - REV A)	No	3		
74	<p><u>Qualicoat or equal and approved powder coated aluminium doors glazed with 6,38mm clear laminated safety glass for the opening sections and 8mm clear laminated safety glass for the fixed panels and plugged to brickwork or concrete</u></p> <p>Double door 6650 x 2380mm high overall with 2No. double doors and 7No. fixed panes (W20) (drawing No 21-100-Frankfort - MB-WC-502_GF WIN - REV A)</p>	No	1		
<b>Carried to Collection</b>					
<p><b>Section No. 2</b>  <b>BUILDINGS</b>  <b>Bill No. 11</b>  <b>Metalworks</b>  <i>Tender Bills of Quantities</i></p>					
					R

<p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 11</b> <b>Metalworks</b> <b><u>COLLECTION</u></b></p>			
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Section No. 2  
BUILDINGS  
Bill No. 11  
Metalworks  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<b><u>BILL NO 12</u></b>			
	<b><u>PLASTERING</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b>SCREEDS</b>			
	<u>Flowfresh RT or equal and approved 6mm slip-resistant HACCP international certified antimicrobial treated polyurethane screed</u>			
	The surface preparation should be that, the concrete or substrate should be a minimum of 25N/mm <sup>2</sup> , free from laitance, dust and other contamination.			
	Substrate should be dry to 75% RH as per BS8204.			
	The installation should be carried out by an approved Flowcrete Applicator			
1	On floors and landings	m2	35	
2	<u>Flowtex WR or equal and approved 6mm slip-resistant HACCP international certified antimicrobial treated polyurethane screed</u>	m	24	
	On skirtings			

	<p style="text-align: center;"><b>Carried to Collection</b></p>			
<p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 12</b> <b>Plastering</b> <i>Tender Bills of Quantities</i></p>			<p style="text-align: center;">R</p>	

Item No		Quantity	Rate	Amount R
3	<p><u>LEVELiTE F30 or equal and approved self levelling screed compound developed for heavy commercial and light industrial applications that sets to 25MPa</u></p> <p><b>Surface Preparation</b></p> <p>Due to the inability to control environmental factors such as wind or heat, It is recommended that direct to ground sub-floors be protected from rising damp to prevent dimensional changes in the floor covering (confirm the maximum permissible moisture content that the floor covering or adhesive can tolerate).</p> <p>The surface must be hard, sound, dry and free of dust, dirt and other materials such as grease, oil and paint.</p> <p>Due to its flow characteristics, sealing strips should be placed at doorways or where the levelling compound is not desired.</p> <p><b>Priming</b></p> <p>BONDITe® or equal and approved primer and bonding agent essential component in priming the substrate prior to application of the self levelling screed.</p> <p>It acts as a pore sealer which will maintain the flow life and prevent air bubbles rising through the applied Self levelling screed smoothing compound.</p> <p>With very smooth non-absorbent sub-floors e.g. epoxy coated water barriers and ceramic tiles, it is essential to apply iTe SLURRY®, or to lightly grind the surface to promote adhesion.</p> <p>When the slurry is dry, the surface should be ready for application of the LEVELiTe® F30 or equal and approved levelling compound.</p> <p>4mm to 5mm Thick on floors and landings</p>	m2	1,221	

	<b>Carried to Collection</b>		R	
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 12</b> <b>Plastering</b> <i>Tender Bills of Quantities</i>			

Item No			Quantity	Rate	Amount R
	<u>Screeds wood floated on concrete</u>				
4	Average 50mm thick on floors to falls	m2	22		
5	50mm Thick on floors and landings	m2	581		
	<b>INTERNAL PLASTER</b>				
	<u>Gypsum skim plaster on concrete</u>				
6	On ceilings	m2	30		
	<u>Two coat plaster with Gyproc Rhinolite Cretestone or equal and approved skim finish on brickwork</u>				
7	On walls	m2	3,773		
8	On narrow widths	m2	55		
	<b>EXTERNAL PLASTER</b>				
	<u>Cement plaster on brickwork</u>				
9	On walls	m2	216		
10	On narrow widths	m2	20		
	<u>Mamoran or equal and approved scratch plaster on brickwork</u> On walls				
11		m2	8		
12	On narrow widths	m2	2		

<p>13</p> <p>14</p>	<p><u>Mamoran or equal and approved combed plaster on brickwork</u> On walls</p> <p>On narrow widths</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b>  <b>BUILDINGS</b>  <b>Bill No. 12</b>  <b>Plastering</b>  <i>Tender Bills of Quantities</i></p>	<p>m2</p> <p>m2</p>	<p>9</p> <p>1</p>	<p style="text-align: center;">R</p>
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<p><b>Section No. 2</b></p> <p><b>BUILDINGS</b></p> <p><b>Bill No. 12</b></p> <p><b>Plastering</b></p> <p><b><u>COLLECTION</u></b></p> <p>Total Brought Forward from Page No.</p> <p>Total Brought Forward from Page No.</p>	<p style="text-align: center;"><b>Page No</b></p> <p>132</p> <p>133</p> <p>134</p>	<p style="text-align: center;"><b>Amount</b></p> <p style="text-align: center;"><b>R</b></p> <p style="text-align: center;">R</p>	<p style="text-align: center;">R</p>
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Section No. 2  
BUILDINGS  
Bill No. 12  
Plastering  
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Item No		Quantity	Rate	Amount R
<b><u>BILL NO. 10</u></b>				
<b><u>TILING</u></b>				
<b>SUPPLEMENTARY PREAMBLES</b>				
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.			
	Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the range of products as recommended by the manufacturer of the tiles			
<b>WALL TILING</b>				
	<u>200 x 200mm White glazed ceramic tiles (PC R200/m<sup>2</sup> supply and delivery) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted jointing compound</u>			
	On walls			
1	<b>FLOOR TILING</b>	m2	928	
	<u>10mm Thick non-slip full bodied Porcelain floor tiles with anti-slip surface (PC R300/m<sup>2</sup> for supply and delivery) fixed on 25mm bedding on concrete and flush pointed with tinted waterproof jointing compound:</u>			
	On floors and landings			
2		m2	192	

	<b>Carried to Collection</b>		R	
	<p><b>Section No. 2</b>  <b>BUILDINGS</b>  <b>Bill No. 13</b>  <b>Tiling</b>  <i>Tender Bills of Quantities</i></p>			

Item No			Quantity	Rate	Amount R
3	Skirting 100mm high cut tiles	m	286		
	<p><u>Non-slip fawn textured mosaic floor tiles (PC R500/m<sup>2</sup> for supply and delivery) fixed on 25mm bedding on concrete and flush pointed with tinted waterproof jointing compound:</u></p> <p>On floors and landings</p>				
4	<b>SUNDRIES</b>	m2	18		
5	<u>M-Trim</u>	m	87		
	Stainless steel tile edging strip				

<p>Section No. 2                  BUILDINGS                  Bill No. 13                  Tiling  <i>Tender Bills of Quantities</i></p>	<p>Carried to Collection</p>	<p>R</p>
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<p>Section No. 2                  BUILDINGS                  Bill No. 13                  Tiling  <u>COLLECTION</u></p>	<p>Page                  No                  136                  137</p>	<p>Amount                  R</p>
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Section No. 2  
 BUILDINGS  
 Bill No. 13  
 Tiling  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
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**BILL NO. 11**

**PLUMBING AND DRAINAGE (PROVISIONAL)**

**SUPPLEMENTARY PREAMBLES**

Polycop polypropylene pipes

Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with Fast-fuse heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated

Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions

All pipe diameters are nominal external

Polylink polypropylene pipes

Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron Supraclamp running joints

Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured

Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double Z joint couplers

Branch tees shall include flanged and bolted joints to Polycop branch pipes in addition and for brass compression male iron to copper straight couplers

**Carried to Collection**

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Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reducers shall be of sufficient overall length to accommodate same All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions All pipe diameters are nominal external

Concrete pipes

Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings

Vitrified clay pipes etc

Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed uPVC pressure pipes and fittings

Pipes for water supply shall be of the class stated

Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings

Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints

**Carried to Collection**

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Copper pipes

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers

Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be Cobra Watertech type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground

Lead pipes and traps

All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Wire gratings

Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings

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Septic tanks

Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions

Exposed concrete surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

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Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:

**SABS 1200**

L : Medium-pressure pipelines

LD : Sewers

LE : Stormwater drainage

Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200

DB : Earthworks (Pipe trenches)

Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200

LB : Bedding (Pipes).

Unless otherwise described bedding of rigid pipes shall be class B bedding

Flush pans

Flush pans shall have straight or side outlets and P or S traps as necessary

Stainless steel basins, sinks, wash troughs, urinals, etc

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

Waste unions

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings

Steel sectional water tanks

Tanks shall comply with SABS CKS 114

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Item No		Quantity	Rate	Amount R
	<u>Densyl petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd</u>			
	Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described			
	Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, Layflat sheeting, securing of same, etc			
	Prices for wrapping of pipes shall include for all work as described to couplings in the length			
	<b>RAINWATER DISPOSAL</b>			
	<u>Marley Vynadeep or equal and approved uPVC</u>			
1	50mm Half round eaves gutters	m	12	
2	Extra over eaves gutter for stopped end	No	2	
3	Extra over eaves gutter for outlet for 100mm pipe	No	2	
4	100mm Diameter rainwater pipes	m	5	
5	Extra over rainwater pipe for bend	No	2	
6	Extra over rainwater pipe for shoe	No	2	
	<u>Sequel Hydrain or equal and approved two tiered domed Fulbore cast iron outlets 75mm Diameter vertical outlet</u>			
7		No	3	

## SANITARY FITTINGS

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Item No		Quantity	Rate	Amount R
8	<p><u>Franke or equal and approved</u></p> <p>Stainless single kitchen sink size 800mm long x 460mm wide with 140mm deep and with and integrated 38mm waste fittings and PVC plugs and draining board recessed and is reversible (Code: PLN 611)</p>	No	3	
9	<p>Stainless double kitchen sink size 1160mm long x 460mm wide with bowls 140mm deep and each bowl with and integrated 38mm waste fittings and PVC plugs and draining board recessed and is reversible (Code: PLN 621)</p>	No	1	
10	<p>Single Fabricated Economy Type Washtrough size 540 x 440 x 300mm deep with a sloped front, ridges and a 40mm waste outlet, manufactured from Grade 430 (17/10) Stainless Steel, 0,8mm gauge and supplied with fixing lugs to mount the trough to the wall. (Bolts elsewhere measured) (Code: ET101)</p>	No	1	

11	<p>Model CH Slop Hopper size 540 x 540mm manufactured from grade 304 (18/10) stainless steel 1,2mm thick with a 100mm high integral splash back to the rear and both sides, cone seamless with no welding with an integral flushing rim with a 107mm waste outlet for pan connector, the inlet is fitted with a 38 x 250mm long vertical flush pipe for a standard flush valve (elsewhere measured), fitted with a hinged bucket grid manufactured from 10mm diameter grade 304 (18/10) stainless steel round bar complete with two 40 x 40mm square stainless steel wall mounting gallows bracket, fixed to wall 600mm from the top of the front apron to the finish floor level with 4 off anchor bolts (bolts specified elsewhere) (Code:2630037)</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 14</b> <b>Plumbing &amp; Drainage</b> <i>Tender Bills of Quantities</i></p>	No	1	R	
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Item No		Quantity	Rate	Amount R	
12	<p>DSG drip sink size 535 x 454mm manufactured from grade 304 (18/10) stainless steel 1,2mm thick with 100 integrated splash back, fitted with hinged bucket grid manufactured from 10mm stainless steel round bar. Unit complete with two 40 x 20mm stainless steel wall mounting brackets, fixed to wall 600mm high from the top of the front apron to the finish floor level with v4 off anchor bolts (bolts specified elsewhere)</p>	No	1		
13	Bucket hook with support bracket	No	1		
14	<p><u>Cobra or equal and approved</u></p> <p>Welcome Basin Wall Hung Small round wall hung basin size 400mm long x 320mm wide with 1No pre-punched tap hole on the right hand side of the basin including wall fixing set &amp; installation manual included (Code: CWLBAWH1-6DT01).</p>	No	1		

15	Elcome Pedestal Semi, size 270mm wide x 308mm high (Code: CWLPERD2-6DT01)	No	1		
16	Shelter Round wall hung basin size 495mm long x 430mm wide with 1No pre-punched tap hole in the centre of the basin, Overflow, expansion bolts CCWLPERD1-6DT01) and round semi-pedestal (CWLPERD2-6DT01)	No	7		
17	Shelter Pedestal Full pedestal. 165mm wide x 665mm high with wall fixing set (Code: CSHBAWH2-6DT01)	No	7		
18	Arrive Square wall hung basin size 645mm long x 473 mm wide with 1 x pre-punched tap hole in the centre of the basi including overflow and wall fixing set (CARPESQ1-6DT01)	No	20		
19	Arrive Square semi-pedestal size 267mm wide x 315mm high with wall fixing set (Code: CAPESQ16DT01)	No	20		
<b>Carried to Collection</b>					
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Item No		Quantity	Rate	Amount R
	<u>Lecico or equal and approved</u>			
20	Vitreous China Geo Top Inlet white urinal size is 360mm wide x 557mm high with a depth extension of 337mm.	No	11	
21	Vitreous China Urinal Separator partition size 630mm high with a depth extension of 320mm.	No	11	

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22	Atlas Back-to-Wall Pan (Top Entry), 90° outlet closed rim back-to-wall pan with thermostet seat including Top inlet to be used with an exposed flush valve (Code: 431501Wh) (Colour: White) with lid, fitments, etc.	No	23		
23	Atlas Paraplegic Assisted Mobility Close-Couple WC Set (Side Flush, Raised Height) (Colour: White) including lid, fitments, etc.	No	4		
24	<u>Cobra or equal and approved</u>  Vandalproof shower head, single-function, chrome. Includes: 1/2" BSP male inlet, 10L/min maximum flow restrictor, self- cleaning spray nozzle, and minimum flow pressure 50 kPa. (Code:FSWHR134-0GT01)				
	<b>WASTE UNIONS ETC</b>	No	16		
	<u>Chromium plated</u>				
25	110mm waste outlet	No	36		
	<b>TRAPS ETC</b>				
	<u>uPVC</u>				
26	110mm Deep seal P or S trap	No	46		
27	75mm VA3.113 CP hinged urinal domical grating	No	11		
					R
	<b>Carried to Collection</b>				
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 14</b> <b>Plumbing &amp; Drainage</b> <i>Tender Bills of Quantities</i>				

Item No		Quantity	Rate	Amount R
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28	<u>Rofo Engineering or equal and approved</u>  Square floor drain with slotted openings overall size 150 mm long x 150mm wide x 195mm deep manufactured from stainless steel (grade 304) (Code: RO 125H NW50)  <b>TAPS, VALVES, ETC</b>	No	16		
29	<u>Cobra or equal and approved</u>  Star Sink Mixer wall type sink mixer with aerated swivel outlet. 1/2 BSP male iron connection end, CP. Suitable for light pattern/ low resistance for low pressure or high water demand installations. SANS 226 Type 1, DZR brass. (Code:FSK2W2SR-0GT01)	No	2		
30	Star Bib Tap Extended with hot and cold indices (amounts to be confirmed). 1/2BSP male iron connection end. CP. Suitable for light pattern/ low resistance for low pressure or high water demand installations. SANS 226 Type 1, DZR brass. (Code:FBBAE1SR-0GT01)	No	2		
31	Star Bib Tap Extended with Star hose bib tap, chromeplated, 1/2" inlet and 3/4" outlet. Includes: 3/4" wing nut & lining for 3/4" hose pipe. Suitable for light pattern/ low resistance for low pressure or high water demand installations. SANS 226 Type 1, DZR brass. (Code:FBBHN1SR-0GT01)	No	1		
32	Star Sink Mixer One hole with aerated swivel outlet. 1/2 BSP female connection ends. CP. Suitable for light pattern/ low resistance for low pressure or high water demand installations. SANS 226 Type 1, DZR brass. (Code:FSK2D1SR-0GT01)	No	1		
33	Star Sink Tap Prep tap swivel outlet pre-packed. Suitable for light pattern/ low resistance for low pressure or high water demand installations. SANS 226 Type 1, DZR brass. (Code:FSKT2DSR-0GTPP01)	No	2		

	<b>Carried to Collection</b>		R	
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 14</b> <b>Plumbing &amp; Drainage</b> <i>Tender Bills of Quantities</i>			

Item No	Description	Quantity	Rate	Amount R
34	Integral flushing rim fitted with a 38 x 250mm long vertical flush pipe inlet with Cobra FJ 2,00 flush valve connected to 20mm water supply and Cobra FJT 1,2 straight flush pipe connected to chromium plated adaptor	No	1	
35	Pillar Tap Metering Non hold open size 220mm long x 170mm high x 60mm high, self closing, 1/2BSP male iron connection end, Flow cycle 1-20 seconds. (Code: FPT1MTMT-0GT01)	No	22	
36	Medical Pillar Tap (Blue) Elbow action size 310mm long x 140mm wide x 60mm high With 1/4 turn ceramic disc headpart, flanged backnut and red indice for hot water application. 1/2BSP male iron connection end. (Code: FEAPILEA-5JT01)	No	5	
37	Star Pillar Tap Star pillar tap chrome size 160mm long x 130mm wide x 60mm high (Code: FPT2A1SG- 0GT01)	No	1	
38	Junior Flushmaster exposed flush valve, chrome. Includes: top entry, flush pipe, compression pan connector, wall flange, rubber seat buffer, and integral vacuum breaker. SANS 1240. (Code: FFUUSPFJ0GT01)	No	27	
39	Exposed Non-hold open feature Econoflush with 'Ball O Stop control inlet, wall flange, additional screw and piston for large bowl and stall urinals, 3/4BSP female iron connection end, Recommended optimum design pressures: inlet flow pressure 30 - 500kPa: Maximum system pressure 600kPa.2 Year Warranty Cobra EcoMind Cobra Genuine Cobra LowPressure Cobra PureShine Cobra TeamAssist DZR Brass (Code: FFU1SUFJ-0GT01)	No	11	

40	Star Stop Tap Concealed Compression 15mm With sliding wall flange. Underwall, 15mm compression connection ends. CPLight pattern/ low resistance for low pressure or high water demand installations. SANS 226 Type 1, DZR Brass (Code: FSTAC1SR-0GT01)	No	16	R
	<b>Carried to Collection</b>			
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 14</b> <b>Plumbing &amp; Drainage</b> <i>Tender Bills of Quantities</i>			

Item No		Quantity	Rate	Amount R
	<b>SANITARY PLUMBING (PROVISIONAL)</b>			
	<u>uPVC pipes:</u>			
41	100mm Pipes laid in and including trenches not exceeding 1m deep	m	176	
42	100mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	m	63	
43	40mm Pipes fixed to or chased into brickwork.	m	23	
44	50mm Pipes fixed to or chased into brickwork.	m	46	
45	110mm Pipes fixed to or chased into brickwork.	m	27	
	<u>Extra over uPVC pipes for fittings.:</u>			
46	40mm Bend.	No	46	
47	50mm Bend.	No	92	
48	40mm Junction.	No	46	

49	50mm Junction.	No	46		
50	110mm End cap.	No	27		
51	110mm Access bent pan connector.	No	27		
52	110mm Access bend.	No	27		
53	110mm Access junction.	No	27		
54	Stub stack with overflow cap and waste connection in uPVC pipe	No	47		
55	Ventilated Stub Stack fitted with 50mm diameter 1 way vent valve (compliance with SANS 1532)	No	75		
<b>Carried to Collection</b>					
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 14</b> <b>Plumbing &amp; Drainage</b> <i>Tender Bills of Quantities</i>				R	

Item No		Quantity	Rate	Amount R
56	110mm Access bent pan connector.	No	27	
	<u>Pre-cast concrete gulleys.:</u>			
57	Gulley not exceeding 500mm deep.	No	4	
	<u>Rofo Engineering or equal and approved square Stainless steel floor drains manufactured from stainless steel (grade 304)</u>			
58	150 x 150 x 195mm Deep floor drain with slotted openings (Code: RO 125H NW50)	No	5	

59	<p><u>Sundries.:</u></p> <p>Testing waste pipe system.</p> <p><b>WATER SUPPLY</b></p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><b>'Polycop' polypropylene pipes:</b></p> <p>Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with 'Fastfuse' heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated. Pipes shall be firmly fixed to walls, etc. with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions. All pipe diameters are nominal external.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b>  <b>BUILDINGS</b>  <b>Bill No. 14</b>  <b>Plumbing &amp; Drainage</b>  <i>Tender Bills of Quantities</i></p>	Item			
				R	

Item No		Quantity	Rate	Amount	
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**Copper pipes:**

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type.

Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.

**Copper pipes chased in walls:**

Where pipes have been chased in walls, the price for making good of plaster and paint, etc. shall be deemed to be included in the description of pipe chased in walls.

**Fixing of pipes**

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls, etc. casting in, building in or suspending not exceeding 1m below suspension level.

No allowance for holes and drilling for pipes through walls has been made in these Bills of quantities, the price for all holes and making good shall be deemed to be included in the descriptions of the pipes.

**Carried to Collection**

**Section No. 2**

**BUILDINGS**

**Bill No. 14**

**Plumbing & Drainage**

*Tender Bills of Quantities*

R

Item No		Quantity	Rate	Amount R
	<b>WATER SUPPLIES</b>			
	<u>Class 2 copper pipes.:</u>			
60	15mm Pipes chased into brick walls.	m	79	
61	22mm Pipes chased into brick walls.	m	63	
62	35mm Pipes chased into brick walls.	m	64	
63	15mm Pipes laid in and including trenches.	m	287	
64	22mm Pipes laid in and including trenches.	m	75	
65	35mm Pipes laid in and including trenches.	m	89	
66	42mm Pipes laid in and including trenches.	m	7	
	<u>Extra over class 2 copper and polypropylene pipes for brass compression fittings.:</u>			
67	15mm Fittings.	No	203	
68	22mm Fittings.	No	91	
69	35mm Elbow.	No	16	
70	35mm Bend	No	23	
71	35mm Tee	No	18	
72	35mm Reducing tee	No	5	
	<u>Extra over class 2 copper pipes for capillary fittings:</u>			
73	15mm Fittings.	No	365	
74	22mm Fittings.	No	135	

75	35mm End plug	No	5		
				R	
		<b>Carried to Collection</b>			
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 14</b> <b>Plumbing &amp; Drainage</b> <i>Tender Bills of Quantities</i>				

Item No			Quantity	Rate	Amount R
76	35mm Adaptor coupling.	No	4		
77	35mm Elbow.	No	21		
78	35mm Tee.	No	18		
79	35mm Tee adaptor coupling.	No	3		
80	35mm Reducing coupling.	No	6		
81	35mm Reducing adaptor coupling	No	5		
82	35mm Reducing bent adaptor coupling	No	4		
83	35mm Reducing elbow	No	7		
84	35mm Reducing tee.	No	5		
85	42mm Reducing coupling.	No	3		

86	<p><u>Testing:</u> Testing water pipe system.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 14</b> <b>Plumbing &amp; Drainage</b> <i>Tender Bills of Quantities</i></p>	Item		
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<p><b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 14</b> <b>Plumbing &amp; Drainage</b> <b><u>COLLECTION</u></b></p>			
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Total Brought Forward from Page No.	148		
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Total Brought Forward from Page No.	151		
Total Brought Forward from Page No.	152		
Total Brought Forward from Page No.	153		
Total Brought Forward from Page No.	154		
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Item No		Quantity	Rate	Amount R
	<p><b><u>BILL NO 8</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b>SPECIFICATION</b></p> <p>Unless otherwise specified painting generally is to be in accordance with Dulux specifications &amp; Plascon Specifications</p> <p><b>PAINTWORK, ETC TO NEW WORK ON</b></p> <p><b>Newly plastered surfaces</b></p> <p>Existing substrate shall be cleaned and dust free and moist content of less than 15%</p> <p><b>ON FLOATED PLASTER SURFACES WITH</b></p> <p><u>Prepare and prime walls with one coat Dulux Trade Ecosure or equal and approved Plaster Primer (Code: T4013) with an over coating time of 4 hours and two coats Dulux Pearl glo or equal and approved water based pure acrylic paint (code: D40) on:</u></p> <p>Internal walls</p>			
1	<p><b>ON FIBRE-CEMENT</b></p>	m2	3,313	
2	<p><u>One coat Dulux or equal and approved primer and two coats Dulux weatherguard Ultrasmooth or equal and approved adhesion promoted pure acrylic paint on</u></p> <p>Ceilings and beams</p>	m2	29	

<b>Carried to Collection</b>			R	
<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 15</b> <b>Paintwork</b> <i>Tender Bills of Quantities</i>				

Item No	Quantity	Rate	Amount R
3	m2	8	
4	m2	19	
5	m2	30	
6	m2	940	
7	m	281	

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8	<u>One coat pink wood primer and two coats super universal enamel paint on</u> Cornices, rails, etc., not exceeding 300mm girth	m	281		
	<b>Carried to Collection</b>				
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 15</b> <b>Paintwork</b> <i>Tender Bills of Quantities</i>			R	

Item No			Quantity	Rate	Amount R
9	<u>One coat oil wood primer, one coat universal undercoat and two coats super universal enamel paint on</u> Doors	m2	276		
	<b>ON METAL</b>				
10	<u>Two coats high quality rust preventative primer and two coats oil based enamel paint and clear urethane sealer on steel on</u> Door frames	m2	87		
11	Record room and strongroom doors and frames	m2	23		

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12	<p><u>Spot priming defects in pre-primed surfaces with zinc chromate primer and applying one undercoat and two coats alkyd enamel paint on steel on:</u></p> <p>Members of roof trusses</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 2 BUILDINGS Bill No. 15 Paintwork <i>Tender Bills of Quantities</i></p>	m2	1,262	
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	<p>Section No. 2</p> <p>BUILDINGS</p> <p>Bill No. 15</p> <p>Paintwork</p> <p><u>COLLECTION</u></p>	Page No		Amount R
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**Section No. 2**  
**BUILDINGS**  
**Bill No. 15**  
**Paintwork**  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<b><u>BILL NO 16</u></b>			
	<b><u>PROVISIONAL SUMS ETC</u></b>			
	<u>Note</u>			
	All prime cost amounts and provisional sums are net			
	<b>SUNDRY BUILDING WORK</b>			
1	<u>Car port Construction</u>			
	Provide the sum of R110 000,00 (One Hundred and Ten Thousand Rand) for Car Port Construction to be measured and valued at schedule rates			
	<b>SPECIALIST WORK (SELECTED SUBCONTRACTORS)</b>			
		Item		110,000 00
	<u>Signage</u>			
2	Provide the sum of R70 000,00 (Seventy Thousand Rand) for signage	Item		70,000 00
3	Profit	Item		3,500 00
4	Attendance	Item		1,750 00
	<u>Gym Equipment</u>			
5	Provide the sum of R750 000,00 (Seven Hundred and Fifty Thousand Rand) for Gym Equipment	Item		750,000 00
6	Profit	Item		37,500 00
7	Attendance	Item		18,750 00

			R	
	<b>Carried to Collection</b>			
	<b>Section No. 2</b> <b>BUILDINGS</b> <b>Bill No. 16</b> <b>Provisional Sums</b> <i>Tender Bills of Quantities</i>			

Item No		Quantity	Rate	Amount R
	<u>Turnstiles</u>			
8	Provide the sum of R60 000,00 (Sixty Thousand Rand) for Turnstiles	Item		60,000 00
9	Profit	Item		3,000 00
10	Attendance	Item		1,500 00
	<u>Kitchen Equipment</u>			
11	Provide the sum of R300 000,00 (Three Hundred Rand) for Kitchen Equipment	Item		300,000 00
12	Profit	Item		15,000 00
13	Attendance	Item		7,500 00
	<u>Access Control</u>			
14	Provide the sum of R120 000,00 (One Hundred and Twenty Thousand Rand) for Access Control	Item		120,000 00
15	Profit	Item		6,000 00
16	Attendance	Item		3,000 00
	<u>Water Storage tanks</u>			
17	Provide the sum of R150 000,00 (One Hundred and Fifty Thousand Rand) for Water Storage Tanks	Item		150,000 00

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18	Profit	Item		7,500 00
19	Attendance	Item		3,750 00
<b>Carried to Collection</b>				
Section No. 2 <b>BUILDINGS</b> Bill No. 16 Provisional Sums <i>Tender Bills of Quantities</i>				

	Section No. 2  <b>BUILDINGS</b>  Bill No. 16  Provisional Sums  <u><b>COLLECTION</b></u>			
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Section No. 2  
BUILDINGS  
Bill No. 16  
Provisional Sums  
*Tender Bills of Quantities*

Bill No	Section No. 2 <b>BUILDINGS</b> <u>SECTION SUMMARY - BUILDINGS</u>	Page No		Amount R	
1	Earthworks	32			
2	Concrete, Formwork & Reinforcement	41			
3	Masonry	45			
4	Waterproofing	49			
5	Roof Coverings, etc	53			
6	Carpentry & Joinery	83			
7	Ceilings, Partitions and Access Flooring	89			
8	Floor Coverings, Plastic Linings, etc.	96			
9	Ironmongery	106			
10	Structural Steelwork	110			
11	Metalworks	131			
12	Plastering	135			
13	Tiling	138			
14	Plumbing & Drainage	155			
15	Paintwork	159			
16	Provisional Sums	162			
	<b>Carried to Final Summary</b>			R	
	<b>Section No. 2</b> <b>BUILDINGS</b> <i>Tender Bills of Quantities</i>				

Item No		Quantity	Rate	Amount R
	<b><u>BILL NUMBER 1</u></b>			
	<b><u>WORK GROUP NUMBER 160</u></b>			
	<b><u>LT CABLES</u></b>			
	<b>600/1000 volt PVC/PVC/SWA/PVC copper cable pulled through sleeves, laid in trenches. (trenching and backfilling measured elsewhere)</b>			
1	70mm <sup>2</sup> x 4-core ECC	m	260	
2	16mm <sup>2</sup> x 4-core ECC	m	120	
3	10mm <sup>2</sup> x 3-core ECC	m	40	
4	4mm <sup>2</sup> x 4-core ECC <b><u>LT</u></b>	m	650	
	<b><u>CABLE TERMINATIONS</u></b>			
	<b>Termination for 600/1000 volt PVC/PVC/SWA/PVC copper cables.</b>			
5	70mm <sup>2</sup> x 4-core ECC	No	8	
6	16mm <sup>2</sup> x 4-core ECC	No	6	
7	10mm <sup>2</sup> x 3-core ECC	No	4	
8	4mm <sup>2</sup> x 4-core ECC	No	56	
	<b><u>EARTH WIRES</u></b>			
	<b>Bare copper earth conductors strapped to cables</b>			
9	70mm <sup>2</sup> conductor	m	260	
10	16mm <sup>2</sup> conductor	m	120	
11	4mm <sup>2</sup> conductor	m	650	

	<b>Carried to Collection</b>		R	
	<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 1</b> <b>LT Cables</b> <i>Tender Bills of Quantities</i>			

Item No	Quantity	Rate	Amount R
<b><u>EARTH WIRE TERMINATIONS</u></b>			
<b>Bare copper earth conductor terminations including lugs etc: 70mm<sup>2</sup> conductor</b>			
12	No	8	
13	No	6	
14	No	56	
4mm <sup>2</sup> conductor <b><u>EXCAVATIONS, ETC</u></b>			
<b>Excavate for cable and sleeve trenches including temporary support of sides, keeping excavations clean and dry, back-filling and compaction to the Engineer's specification :(0.450m x 0.800m deep):</b>			
15	m3	288	
Cable or sleeve trenches not exceeding 1 metre deep. (800m)			
16	m3	64	
Select from excavation materials and install a sandbedding in trench 200mm deep and 400mm wide (100mm above and 100mm below the cable)			
17	m3	216	
Backfilling of trenches with excavated soil after cables have been laid and tested complete with compacting of backfilling, levelling-off of trenches and removing and dumping of surplus excavated material			
18	m2	15	
Allow for removing of road tar and making good when finish (Provisional)			

19	Allow for removing of paving and making good when finish (Provisional)	m2	15		
20	Allow for removing of concrete and making good when finish (Provisional)	m2	15		
<b><u>SLEEVES</u></b>					
<b>Carried to Collection</b>					
Section No. 3 <b>ELECTRICAL INSTALLATION</b> Bill No. 1 LT Cables <i>Tender Bills of Quantities</i>				R	

Item No		Quantity	Rate	Amount R	
	<b>Corrugated Nextube Flexible High-density polyethylene (HDPE) sleeve piping with a band thickness of not less than 1.5mm thick, including joiners draw wire(rope) inclusive, short lengths and jointing, laid in trench (trench backfilling measured elsewhere) (trench backfilling measured elsewhere)</b>				
21	110mm Diameter: colour black for power	m	426		
22	110mm Diameter: colour yellow for telkom/data	m	360		
23	75mm Diameter: colour black for power	m	54		
24	75mm Diameter: colour black for telkom/data	m	32		
<b><u>SUNDRIES</u></b>					
25	LV Cable route markers	No	10		
26	Danger tape above cables	m	800		
27	Test and commission the complete reticulation installation	Item			

28	Issue Electrical Consultant with As-Builts" dwg. for all cables"		Item		
29	Power manholes as per drawing detail and specification	No	5		
30	Telkom/Data manholes as per drawing detail and specification	No	5		
<b>Carried to Collection</b>					R
<p><b>Section No. 3</b>  <b>ELECTRICAL INSTALLATION</b>  <b>Bill No. 1</b>  <b>LT Cables</b>  <i>Tender Bills of Quantities</i></p>					

<p><b>Section No. 3</b>  <b>ELECTRICAL INSTALLATION</b>  <b>Bill No. 1</b>  <b>LT Cables</b>  <u><b>COLLECTION</b></u></p>					
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Section No. 3  
ELECTRICAL INSTALLATION  
Bill No. 1  
LT Cables  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<p><u>BILL NUMBER 2</u></p> <p><u>WORK GROUP NUMBER 160</u></p> <p><u>ELECTRICAL DISTRIBUTION BOARDS</u></p> <p><u>DISTRIBUTION BOARDS</u></p>			

	<b>Distribution boards complete with sheet metal tray, frames, sub frames, bus bars, contactors, time switches, switches, 50% provision for future circuit breakers and a typed legend card as shown on the wiring schedules.</b>				
1	DB-M: Floor standing board with lockable doors	No	1		
2	DB-A: Semi- Recessed board with lockable doors	No	1		
3	DB-B: Semi- Recessed board with lockable doors	No	1		
4	DB-GK (GroundKeeper): Semi- Recessed board with lockable doors	No	1		
5	DB-GH (Gatehouse): Semi- Recessed board with lockable doors	No	1		
	<b><u>DISTRIBUTION KIOSK</u></b>				
	<b>Distribution Kiosk complete with sheet metal tray, frames, sub frames, bus bars, contactors, time switches, switches, provision for future circuit breakers and a typed legend card as shown on the wiring schedules.</b>				
6	DK- A : Floor standing kiosk with lockable doors	No	1		
7	DK- B : Floor standing kiosk with lockable doors	No	1		
	<b><u>Drawings</u></b>				
	<b>Carried to Collection</b>				
	<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 2</b> <b>Distribution Box</b> <i>Tender Bills of Quantities</i>				R

Item No	Quantity	Rate	Amount R
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Submit to the Consulting Engineer three (3) sets of the Manufacturer's drawings each for approval of the following distribution boards complete:

8	DB. M	No	1
9	DB. A	No	1
10	DB. B	No	1
11	DB. GK	No	1
12	DB. GH	No	1
13	DK. A	No	1
14	DK. B	No	1

	<p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 2</b> <b>Distribution Box</b> <i>Tender Bills of Quantities</i></p>		R	
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	<p><b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 2</b> <b>Distribution Box</b> <b><u>COLLECTION</u></b></p> <p>Total Brought Forward from Page No.</p>	<p><b>Page No</b> 168 169</p>	R	<p><b>Amount R</b></p> <hr style="border-top: 1px dashed black;"/>
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Section No. 3  
 ELECTRICAL INSTALLATION  
 Bill No. 2  
 Distribution Box  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
1	<p><b><u>BILL NUMBER 3</u></b></p> <p><b><u>WORK GROUP NUMBER 160</u></b></p> <p><b><u>ELECTRICAL CONNECTION COST</u></b></p> <p>Allow a provisional amount of R 350 000.00 three hundred and fifty thousand rand for the new electrical supply point payable to Centlec</p>		SUM	

Smithfield Multi-Purpose Indoor Sports Centre  
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2	Allow for the arrangements with local Authorities	Item		
3	Allow for profit	Item		
4	Allow for attendace	Item		
<b>Carried Forward to Sectional Summary: 3</b>				
<b>Section No. 3</b>				
<b>ELECTRICAL INSTALLATION</b>				
<b>Bill No. 3</b>				
<b>Electrical Connection Cost</b>				
<i>Tender Bills of Quantities</i>				
				R

Item No		Quantity	Rate	Amount R
	<b>BILL NUMBER 4</b>			
	<b><u>WORK GROUP NUMBER 160</u></b>			
	<b><u>LIGHTING AND SMALL POWER</u></b>			
	<b><u>BLACK ENAMELLED CONDUIT</u></b>			
	<b>Steel conduit placed in position for casting into concrete slabs, surface beds, screeds; for building into brickwork, surface mounted on brick walls and fixed in ceiling voids and dry wall partitioning.</b>			
1	20mm Diameter	m	1,800	
2	25mm Diameter	m	440	
	<b><u>CONDUIT BOXES AND FITTINGS</u></b>			
	<b>Placed in position for casting into concrete, building or chased into brickwork, including locknuts and bushes:</b>			
3	Back entry round conduit box for 20mm diameter conduit (average 1 to 4-way)	No	339	
4	100 x 50mm galvinased box	No	148	
5	100 x 100mm galvinased box <b><u>PVC</u></b>	No	225	
	<b><u>INSULATED CONDUCTORS</u></b>			
	<b>PVC insulated stranded copper conductor drawn into wire ways, conduits etc;</b>			
6	2,5mm <sup>2</sup>	m	8,381	
7	4mm <sup>2</sup>	m	15,492	
8	6mm <sup>2</sup>	m	4,180	

	<b>Carried to Collection</b>		R	
	<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 4</b> <b>Lightning &amp; Smaller Powe Tender</b> <b>Bills of Quantities</b>			

Item No	Quantity	Rate	Amount R
9	10mm <sup>2</sup> m	1,500	
	<b><u>BARE COPPER EARTH CONDUCTORS</u></b>		
	<b>Bare stranded copper earth conductor drawn into wire ways, conduits etc;</b>		
10	2,5mm <sup>2</sup> m	4,190	
11	4mm <sup>2</sup> m	7,746	
12	6mm <sup>2</sup> m	2,090	
13	10mm <sup>2</sup> m	750	
	<b><u>LIGHT SWITCHES</u></b>		
	<b>Switches complete with steel cover plate fixed in flush box:</b>		
14	16A One lever flush mounted switch No	8	
15	16A One lever switch WT No	2	
16	16A Two lever flush mounted switch No	1	
17	16A Two lever switch WT No	1	
18	16A Three lever flush mounted switch No	1	
19	16A Four lever flush mounted switch No	1	
20	16A 2-way One lever flush mounted switch No	2	

21	16A 2-way Two lever flush mounted switch	No	1		
22	16A Intermediate 1 lever flush mounted switch	No	3		
<b><u>OCCUPANCY SENSORS</u></b>					
<b>Carried to Collection</b>					
<b>Section No. 3</b>					
<b>ELECTRICAL INSTALLATION</b>					
<b>Bill No. 4</b>					
<b>Lightning &amp; Smaller Powe Tender</b>					
<b>Bills of Quantities</b>					
				R	

Item No		Quantity	Rate	Amount R
<b>Occupancy sensors mounted against ceiling or surface box:Occupancy sensors shall be Schneider range</b>				
10A Single Load, 230V, 2 kW, 360 degrees - Lux and Time adjustable with 5A plug top				
23		No	60	
24	10A Dual Load, 230V, 2 kW, 360 degrees - Lux and Time adjustable with 2x5A plug top (Provisional)	No	5	
<b><u>SWITCHED SOCKET OUTLETS</u></b>				
<b>Switch socket outlets etc; complete with cover plate fixed in flush box. Switch sockets shall be as per specification</b>				
Type A 16A switched socket outlet ( 1 x single SANS 164-1 + 2 x single SANS 164-2) wall mounted-normal white surround with white switch against a 100mm x 100mm x 50mm galvanised outlet box				
25		No	102	
26	Type B 16A switched socket outlet (1 x single SANS 164-1 + 1 x single SANS 164-2) powerskirting mounted normal white surround with white switch and flat earth pin	No	32	

27	Type C 16A switched socket outlet (1 x single SANS 164-1 + 1 x single SANS 164-2) powerskirting mounted dedicated red surround with red switch and flat earth pin mounted	No	32		
28	Type D 16A switched socket outlet (1 x single SANS 164-1 + 1 x single SANS 164-2) wall mounted-dedicated white surround with red switch against a 100mm x 100mm x 50mm galvanised outlet box	No	2		
<b><u>UNSWITCHED SOCKET OUTLETS</u></b>					
<b>Carried to Collection</b>					
<p><b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 4</b> <b>Lightning &amp; Smaller Powe Tender</b> <i>Bills of Quantities</i></p>					
				R	

Item No		Quantity	Rate		Amount R
29	<b>UnSwitched socket outlets etc; complete with cover plate fixed in flush box :</b>  Un-switched 5 ampere socket outlet for recessed light fittings				
<b><u>ISOLATORS &amp; WELDING PLUGS</u></b>					
		No	250		
<b>Isolator outlets complete with cover plate fixed in flush box or surface mounted.</b>					
30	100A triple pole + earth surface mounted weatherproof isolator	No	2		
31	60A triple pole + earth surface mounted weatherproof isolator	No	8		
32	30A triple pole + earth surface mounted weatherproof isolator	No	4		

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33	30A triple pole + earth surface mounted isolator	No	15		
34	30A double pole + earth mounted weatherproof isolator	No	20		
35	30A double pole + earth surface mounted isolator	No	90		
36	30A 3P+N+E Stove coupler (male and female complete )	No	5		
<b><u>LUMINAIRES</u></b>					
<b>Supply and install luminaires complete with lamps, connections, etc mounted in positions as shown on the drawings</b>					
37	Type A	No			
38	Type A1	No			
39	Type B1	No	20		
				R	
<b>Carried to Collection</b>					
<b>Section No. 3</b>					
<b>ELECTRICAL INSTALLATION</b>					
<b>Bill No. 4</b>					
<b>Lightning &amp; Smaller Powe Tender</b>					
<b>Bills of Quantities</b>					

Item No			Quantity	Rate	Amount R
40	Type B2	No	8		
41	Type B3	No	22		
42	Type B4	No	14		
43	Type C1	No	7		
44	Type C2	No	57		

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45	Type E	No	10		
46	Type E1	No	2		
47	Type F	No	25		
48	Type G	No	17		
49	Type J1	No	27		
50	Type J2	No	27		
51	Type K	No	20		
52	Type K1	No	4		
53	Type L	No	1		
54	Type X	No	15		
55	Photocell mounted inside a semi recessed york box	No	6		
<b><u>POWER SKIRTING</u></b>					
The rates for power skirting shall include for splices, joining, drilling, etc					
<b>Carried to Collection</b>					
<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 4</b> <b>Lightning &amp; Smaller Powe Tender</b> <i>Bills of Quantities</i>					
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Item No		Quantity	Rate	Amount R
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	<b>Power skirting complete with covers surface mounted to brickwork or concrete. Similar and equal to O-LINE MS4/3</b> Three compartment with cover				
56	Note:	m	70		
	<b>Extra over power skirting complete for</b>				
57	End caps	No	24		
58	90/45 degree bends (internal/external)	No	11		
59	T section	No	1		
60	Cut out opening in power skirting to suit termination box, complete with protective rubber grommet.	No	16		
	<b><u>WIRING CHANNELS</u></b>				
	Galvanised steel wiring channel complete with galvanised steel cover surface mounted in ceiling voids or fixed flush in concrete floors.				
	Note: The rates for wiring channels shall include for hangers, splices, jointing, drilling, etc				
61	127mm x 76.2mm (1.0mm thick) fixed in ceiling voids	m	700		
	<b>Extra over wiring trunking complete for:</b>				
62	T-Pieces	No	16		
63	4-way junction	No	8		
64	90 degree bends	No	30		
65	Distribution Board termination	No	3		

				R
<b>Carried to Collection</b>				
<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 4</b> <b>Lightning &amp; Smaller Powe Tender</b> <b>Bills of Quantities</b>				

Item No	Quantity	Rate	Amount R
66	<b><u>ONLY APPLIANCE CONNECTIONS</u></b>		
	Single phase appliance, complete with 1 metre 25mm diameter "Kopex" flexible PVC conduit, two "Kopex" adaptors, 2 x 4,0mm <sup>2</sup> PVC insulated copper conductors and a 2,5mm <sup>2</sup> BCEW from the appliance terminal block		
	No	5	
67	Three phase appliance, complete with 1 metre 25mm diameter "Kopex" flexible PVC conduit, two "Kopex" adaptors, 4 x 10mm <sup>2</sup> PVC insulated copper conductors and a 2.5mm <sup>2</sup> BCEW from the appliance terminal block		
	No	5	
68	Single Phase Air Conditioner units/Extractor Fan/ Fresh Air, etc		
	No	34	
69	Three Phase Air Conditioner units/Extractor Fan/ Fresh Air, etc		
	No	12	
	<b><u>APPLIANCE</u></b>		
70	Electric handdriers equal to Stiebel Eltron HTZ 50		
	No	12	
71	Electrical Boomgate as per specification		
	No	2	
72	Electrical Gate Motor as per specification		
	No	1	
73	6-Wire Electrical fence complete as per specification		
	m	642	
	<b><u>SUNDRIES</u></b>		
	<b>Provide a Certificate of Compliance by an Accredited person for each of the following:</b>		
74	DB M (Normal)		
	No	1	





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94	DK B (Normal)	No	1	
<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 4</b> <b>Lightning &amp; Smaller Powe Tender</b> <i>Bills of Quantities</i>		<b>Carried to Collection</b>		R

<b>Section No. 3</b>  <b>ELECTRICAL INSTALLATION</b>  <b>Bill No. 4</b>  <b>Lightning &amp; Smaller Powe</b>  <u><b>COLLECTION</b></u>			
	<b>Page No</b>		<b>Amount R</b>
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Total Brought Forward from Page No.	180		
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<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 4</b> <b>Lightning &amp; Smaller Powe</b> <i>Tender Bills of Quantities</i>			

Item No		Quantity	Rate	Amount R
	<p><b><u>BILL NUMBER 5</u></b></p> <p><b><u>WORK GROUP NUMBER 160</u></b></p> <p><b><u>LIGHTNING PROTECTION</u></b></p> <p>The installation of Lightning Protection is a specialized trade and must be performed by an Earthing and Lightning Protection Association (ELPA) accreditate member.</p> <p><b><u>PVC CONDUIT</u></b></p> <p><b>PVC conduit placed in position for casting into concrete slabs,surface beds, screeds; for building into brickwork</b></p> <p>20mm Diameter</p>			
1	<p><b><u>CONDUCTORS</u></b></p> <p><b>PVC insulated stranded copper conductor drawn into conduits</b></p> <p>50mm<sup>2</sup></p>	m	231	
2	<p><b><u>ALUMINIUM ALLOY CONDUCTORS</u></b></p> <p><b>Supply and install aluminium alloy conductors pulled into conduit and or surface mounted</b></p> <p>8mm diameter</p>	m	108	
3	<p><b><u>CONDUIT BOXES AND FITTINGS</u></b></p> <p><b>Placed in position for casting into concrete, building or chased into brickwork, including locknuts and bushes:</b></p> <p>100 x 100 x 110mm deep box</p>	m	280	
4		No	16	

	<b>Carried to Collection</b>		R	
	<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 5</b> <b>Lightning Protection</b> <i>Tender Bills of Quantities</i>			

Item No	Quantity	Rate	Amount R
5	No	16	
100 x 100 Blank cover plate marked "LIGHTNING PROTECTION TEST JOINT"			
<b><u>EARTH ELECTRODES</u></b>			
<b>Supply and install expandable vertical copper bar type electrodes, copper covered steel or phosphor bronze:</b>			
6	No	16	
2.0 metre long SANS approved			
<b><u>TERMINATIONS</u></b>			
7	No	16	
Termination of aluminium alloy conductors onto tin roof complete with two hole crimping lugs, brass nuts, bolts and washers			
8	No	16	
Termination of aluminium alloy conductors and pvc insulated copper stranded conductors at test joints			
9	No	16	
Termination of 50mm <sup>2</sup> pvc insulated copper stranded conductors onto earth electrodes complete with clamp.			
10	No	16	
Termination of 8mm diam. aluminium alloy conductor onto overhang roof and main roof			
<b><u>EXCAVATIONS</u></b>			
11	m3	4	
<b>Excavate for conduits trenches including, backfilling and compaction to the Engineer's specification pickable material</b>			

<b>SUNDRIES</b>				
12	Provide, in triplicate a test certificate of all readings taken on the day of the test	Item		
13	Allow for testing the complete lightning protection installation as described in the SANS user code 03 as amended	Item		
<b>Carried to Collection</b>				
<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 5</b> <b>Lightning Protection</b> <i>Tender Bills of Quantities</i>				R

<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 5</b> <b>Lightning Protection</b> <u><b>COLLECTION</b></u>				
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Section No. 3  
 ELECTRICAL INSTALLATION  
 Bill No. 5  
 Lightning Protection  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<p><b><u>BILL NUMBER 6</u></b></p> <p><b><u>TELEPHONE AND DATA CONDUITING INSTALLATION</u></b></p> <p><b><u>WORK GROUP NUMBER 160</u></b>  <b><u>DISTRIBUTION STRIP BOXES</u></b></p>			

	<p>Supply and install flush mounted outlet boxes complete with architrave frame for termination of all conduits.</p> <p>800 x 600 x 150mm deep</p> <p><b><u>BLACK ENAMELLED CONDUIT</u></b></p> <p>1 No 3</p> <p>Placed in position for casting into concrete slabs, surface beds, screeds; for building into brickwork, surface mounted on brick walls and fixed in ceiling voids and dry wall partitioning.</p> <p>25mm Diameter</p> <p><b><u>CONDUIT BOXES AND FITTINGS</u></b></p> <p>2 m 350</p> <p>Placed in position for casting into concrete, building or chased into brickwork, including locknuts and bushes</p> <p>3 50 x 100 x 50mm complete with blank plate No 250</p> <p>4 100 x 100 x 50mm complete with blank plate No 10</p> <p><b><u>DRAW WIRE</u></b></p> <p>Galvanized steel draw wire pulled into telephone conduits.</p> <p>5 1,6mm thick No 500</p>			
	<b>Carried to Collection</b>			
	<p>Section No. 3 ELECTRICAL INSTALLATION Bill No. 6 Telephone and Data Conduiting Installation <i>Tender Bills of Quantities</i></p>			

R

Item No		Quantity	Rate	Amount R
	<b><u>DATA POINTS</u></b>			

	<b>Telephone and Data outlet points mounted on power skirting/wall complete with yoke.</b>			
6	Data	No	30	
	<b><u>TERMINATION BOXES</u></b>			
7	Termination box behind power skirting	No	15	
8	Cut out opening in power skirting to suit termination box, complete with protective rubber grommet.	No	30	
	<b><u>WIRING CHANNELS</u></b>			
	<b>Galvanised steel wiring channel complete with galvanised steel cover surface mounted in ceiling voids or fixed flush in concrete floors.</b>			
	Note: The rates for wiring channels shall include for hangers, splices, jointing, drilling, etc			
9	127mm x 76.2mm (1.0mm thick) fixed in ceiling voids	m	350	
	<b>Extra over wiring trunking complete for:</b>			
10	T-Pieces	No	8	
11	90 degree internal/external bends	No	4	
12	Ends	No	15	
13	Distribution Board termination	No	2	

**CABLE TRAY**

Carried to Collection

Section No. 3  
 ELECTRICAL INSTALLATION  
 Bill No. 6  
 Telephone and Data Conduiting Installation  
*Tender Bills of Quantities*

R

Item No		Quantity	Rate	Amount R
	<b>Galvanised cable tray mounted in ceiling voids or fixed surface against concrete floors/walls</b>			
	The rates for cable tray shall include for hangers, splices, jointing, drilling, etc			
14	300mm wire mesh	m	15	
	<b>Extra over 300mm wire mesh accessories</b>			
15	External bends	No	2	
16	90 Degree bends	No	1	
17	"T joints"	No	1	

18	<p><b><u>UNDER FLOOR DUCTING</u></b></p> <p>Access under floor outlet complete with conduit box,ingres prevention plate, plastic carpet frame and lid:  2 x STD 16A SSD  2 x STD 16A EURO  2 x Dedicated 16A SSD  2 x Blanc modules  2 x Data RJ8 outlet</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 3</b>  <b>ELECTRICAL INSTALLATION</b>  <b>Bill No. 6</b>  <b>Telephone and Data Conduiting Installation</b>  <i>Tender Bills of Quantities</i></p>	No	2	
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	<p><b>Section No. 3</b>  <b>ELECTRICAL INSTALLATION</b>  <b>Bill No. 6</b>  <b>Telephone and Data Conduiting Installation</b>  <b><u>COLLECTION</u></b></p>	Page No		Amount R
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**Section No. 3**  
**ELECTRICAL INSTALLATION**  
**Bill No. 6**  
**Telephone and Data Conduiting Installation**  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<b><u>BILL NUMBER 7</u></b>			
	<b><u>FIRE DETECTION INSTALLATION</u></b>			
	<b><u>WORK GROUP NUMBER 160</u></b>			
	FIRE DETECTION SYSTEM COMPLETE WITH ALL ACCESSORIES AND EQUIPMENT AS PER PROJECT SPECIFICATION			
	<b><u>MAIN FIRE CONTROL PANEL UNIT</u></b>			
1	Control unit supplied and installed	No	1	
	<b><u>ICT BACKBONE</u></b>			
2	Connection onto main ICT backbone supplied and installed	No	1	
	<b><u>REPEATER FIRE CONTROL PANEL</u></b>			
3	Repeater fire unit supplied and installed	No	1	
4	<b><u>MIMIC PANEL</u></b>			
	600 x 600mm (minimum) mimic panel flush mounted against the wall as part of the control panel indicating all the zones with high intensity leds			
	<b><u>DETECTOR ELEMENTS</u></b>	No	1	
	<b>Detector elements mounted on and including standard round electrical outlet box fixed to suspended ceiling tiles, and/or fixed ceiling boarding and/or concrete slab soffit forming a hole through for wiring.</b>			
5	Heat detectors (ceiling)	No	6	
6	Optical smoke detectors (ceiling)	No	59	

	<b>Carried to Collection</b>		R	
	<b>Section No. 3</b> <b>ELECTRICAL INSTALLATION</b> <b>Bill No. 7</b> <b>Fire Detection</b> <i>Tender Bills of Quantities</i>			

Item No	Quantity	Rate	Amount R
7	Optical smoke detectors (inside ceiling void) No	16	
8	Audible and visual sirens No	20	
	<b><u>BREAK GLASS UNITS</u></b>		
	<b>Resettable Break glass unit mounted on against standard round electrical outlet box</b>		
9	Resettable Break glass unit No	10	
	<b><u>BELLS, SOUNDERS AND SIRENS</u></b>		
10	Sirens No	20	
	<b><u>ELECTRONIC DIALLING DEVICE</u></b>		
11	Supply and installation of and electronic dialling device No	1	
	<b><u>MONITORING AND CONTROL EQUIPMENT</u></b>		
12	Wiring and cabling to inter-connect and control or monitor the various mediums to complete a workable fire detection control system signal	Item	
13	Detectors or break glass units, enabling the pre-fire alarm and buzzer	Item	
14	Sound evacuation system and electronic dialling device enabling manual activation of a fire signal	Item	
15	Magnetic door releases, enabling the closing of doors, including door	Item	

<p>16</p>	<p><b>closers</b>                   Air conditioning cut-off control and extraction fan startup control</p>	<p>Item</p>		
<p>17</p>	<p>PH 30 Fire resistant cabling</p>	<p>m 1,500</p>	<p>R</p>	
<p><b>Carried to Collection</b></p>				
<p><b>Section No. 3                  ELECTRICAL INSTALLATION                  Bill No. 7                  Fire Detection                  Tender Bills of Quantities</b></p>				

Item No		Quantity	Rate	Amount R
18	Wiring and cabling to interconnect the various detector elements with the central control panel and sync with existing backbone panel	Item		
<p><b><u>GENERAL (COMPLETE INSTALLATION)</u></b></p>				
19	Allow for any additional items not listed in the specification to complete the system in order to accomplish a workable Fire Detection System	Item		
20	The supply, delivery, installation, testing, commissioning and handing over in good working order of a complete Intercom and Voice Evacuation installation, with associated peripherals as specified This work to be carried out by a specialist contractor who specialises in this type of work	Item		
<p><b><u>TESTING AND COMMISSIONING</u></b></p>				
<p><b>Testing and commissioning of the systems as specified</b></p>				
21	Fire detection system	Item		
<p><b><u>TRAINING</u></b></p>				
22	Training of technical staff in operation and maintaining all the systems as per specification	Item		

<p>23</p>	<p><b>DRAWINGS</b></p> <p>Supply and delivery of drawings as per specification</p>	<p>Item</p>		
<p>24</p>	<p><b><u>MANUALS AND LITERATURE</u></b></p> <p>Supply and delivery of three (3) copies of maintenance and operating instructions as per specification</p>	<p>Item</p>		
<p>25</p>	<p><b><u>GUARANTEE AND MAINTENANCE</u></b></p> <p>Guarantee and maintenance during the (twelve) 12 month period as per specification</p>	<p>Item</p>		
<p><b>Carried to Collection</b></p>			<p>R</p>	
<p><b>Section No. 3</b>  <b>ELECTRICAL INSTALLATION</b>  <b>Bill No. 7</b>  <b>Fire Detection</b>  <i>Tender Bills of Quantities</i></p>				

<p><b>Section No. 3</b></p> <p><b>ELECTRICAL INSTALLATION</b></p> <p><b>Bill No. 7</b></p> <p><b>Fire Detection</b></p> <p><b><u>COLLECTION</u></b></p>	<p><b>Page No</b></p>	<p><b>Amount</b></p> <p><b>R</b></p>	
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 Bill No. 7  
 Fire Detection  
*Tender Bills of Quantities*

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2	Distribution Box	170	
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4	Lightning & Smaller Powe	181			
5	Lightning Protection	184			
6	Telephone and Data Conduiting Installation	188			
7	Fire Detection	192			
Carried to Final Summary					
Section No. 3 <b>ELECTRICAL INSTALLATION</b> <i>Tender Bills of Quantities</i>					
				R	

Item No		Quantity	Rate	Amount R
	<b><u>BILL NO. 1</u></b>			
	<b><u>PRELIMINARIES AND GENERAL</u></b>			
1	Technical Submissions		SUM	

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**Smithfield Multi-Purpose Indoor Sports Centre**  
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2	Transport			SUM	
3	Allow fully for compliance with the Conditions of Contract as is applicable to the Main Contract.			SUM	
4	Allow for compliance with general matters relating to these specifications.			SUM	
5	Allow for compliance with Occupational Health & Safety Act and Regulations and other statutory requirements.			SUM	
6	Operating and maintenance manuals including as-built drawings. 3 sets.(one hard copy and one electronic copy)			SUM	
7	Allow for the guarantee of the complete installation for a period of 12 months.			SUM	
8	Allow for the full maintenance of the installation for a period of 12 months.	No	3		
9	Allow for the provision of electrical certificate of compliance for all			SUM	
10	Mechanical related electrical work.			SUM	
11	Site Establishment			SUM	
12	Rigging (all equipment)			SUM	
13	Protection Against Damage			SUM	
14	Testing and Commissioning c/w Pressure testing			SUM	

<p><b>Carried Forward to Sectional Summary: 4</b></p> <p><b>Section No. 4</b></p> <p><b>MECHANICAL INSTALLATION - HVAC</b></p> <p><b>Bill No. 1</b></p> <p><b>Preliminaries</b></p> <p><i>Tender Bills of Quantities</i></p>			R	

Item No		Quantity	Rate	Amount R
	<b><u>Bill 2: Office and Reception AC</u></b>			
	<b><u>Air Conditioning Units</u></b>			
	<b>Supply, deliver, install and commission inverter type units R410a complete with all electrical work, trunking, coated brackets and cables for complete installation as per project drawings and specifications:</b>			
1	AC-1 Cassette split units of Cooling 7.03kW and Heating 7.74kW	No	1	
2	AC-2 Cassette split units of Cooling 3.52kW and Heating 3.81kW	No	1	
3	AC-3 Cassette split units of Cooling 3.52kW and Heating 3.81kW	No	1	
4	AC-4 Cassette split units of Cooling 3.52kW and Heating 3.81kW	No	1	
5	AC-5 Cassette split units of Cooling 3.52kW and Heating 3.81kW	No	1	
6	AC-6 Cassette split units of Cooling 3.52kW and Heating 3.81kW	No	1	
7	AC-7 Cassette split units of Cooling 16.11kW and Heating 16.99kW	No	1	
8	AC-8 Cassette split units of Cooling 16.11kW and Heating 16.99kW	No	1	

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9	AC-9 Cassette split units of Cooling 3.52kW and Heating 3.81kW	No	1		
10	AC-10 Cassette split units of Cooling 3.52kW and Heating 3.81kW	No	1		
Carried to Collection					
Section No. 4 <b>MECHANICAL INSTALLATION - HVAC</b> Bill No. 2 Office and Reception AC Tender Bills of Quantities					

Item No			Quantity	Rate	Amount R
11	AC-11 Cassette split units of Cooling 3.52kW and Heating 3.81kW	No	1		
12	AC-13 Midwall split units of Cooling 3.52kW and Heating 3.81kW	No	1		
13	AC-14 Midwall split units of Cooling 3.52kW and Heating 3.81kW	No	1		
<b><u>Refrigerant piping</u></b>					
<b>Supply, Deliver and install refrigerant piping c/w armoflex. Vapor seal to expose outdoor piping</b>					
14	AC-1	m	46		
15	AC-2	m	42		
16	AC-3	m	47		
17	AC-4	m	42		
18	AC-5	m	40		

19	AC-6	m	30		
20	AC-7	m	22		
21	AC-8	m	26		
22	AC-9	m	31		
23	AC-10	m	36		
24	AC-11	m	42		
25	AC-13	m	38		
26	AC-14	m	38		
<b>Carried to Collection</b>					
<b>Section No. 4</b> <b>MECHANICAL INSTALLATION - HVAC</b> <b>Bill No. 2</b> <b>Office and Reception AC Tender</b> <i>Bills of Quantities</i>				R	

Item No		Quantity	Rate	Amount R
27	1000x300mm Stainless Steel driptray c/w socket, bend, uPVC No Ø25mm pipe x 5m	2		
	<b><u>AC Drain</u></b>			
	<b>Supply, deliver and install uPVC drain piping complete with all ancillaries, brackets and accessories. First 2m with armoflex</b>			
28	Ø32mm uPVC (blue) pipe	m	75	
29	Ø32mm uPVC (blue) elbow	No	22	
30	Ø50mm uPVC (blue) pipe	m	44	

31	Ø50mm uPVC (blue) elbow	No	14		
32	Ø50mm uPVC (blue) Tee	No	5		
33	Ø32-50mm uPVC (blue) socket	No	11		
<p><b><u>Miscellaneous</u></b></p> <p>Any items not specified mentioned and not covered in the items above - specify</p>					
<p><b>Carried to Collection</b></p>					
<p><b>Section No. 4</b>  <b>MECHANICAL INSTALLATION - HVAC</b>  <b>Bill No. 2</b>  <b>Office and Reception AC Tender</b>  <i>Bills of Quantities</i></p>					
					R

<p><b>Section No. 4</b>  <b>MECHANICAL INSTALLATION - HVAC</b>  <b>Bill No. 2</b>  <b>Office and Reception AC</b>  <u><b>COLLECTION</b></u></p>					
				<p><b>Page</b> <b>No</b></p>	<p><b>Amount</b> <b>R</b></p>

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Section No. 4  
MECHANICAL INSTALLATION - HVAC  
Bill No. 2  
Office and Reception AC Tender  
*Bills of Quantities*

R

Item No		Quantity	Rate	Amount R
	<b><u>Bill 3: Office Office and Reception</u></b>			
	<b><u>Ventilation &amp; Air Terminals</u></b>			
	<b><u>Fresh Air</u></b>			
	<b><u>Ducting</u></b>			
	<b>Supply, deliver and install uninsulated insulated galvanised sheet metal ducting including, ancillaries, hangers, seals, brackets, etc. all as per drawings and specified:</b>			
1	FA1: Equal Square to Round - 300x300 > Ø250	No	2	
2	FA 2: Straight - 300x300	m	8	
3	FA 3: Bend 90° - 300x300	No	1	
4	FA 4: Equal Square to Round - 700x400 > Ø315	No	1	
5	FA 5: Equal Square to Round - Ø315 > 400x400	No	1	
6	FA 6: Straight - 400x400	m	10	
7	FA 7: Straight - 250x250	m	14	
8	C4: Endcap - 300x300	No	1	
9	C6: Endcap - 400x400	No	1	
10	C8: Endcap - 250x250	No	3	
11	C5: Spigot - Ø200	No	16	
12	C7: Spigot/Shoe - 250x250	No	3	
13	VCD2: Volume Control Damper - 250x250	No	4	

14	Ø200 flexible ducting	m	22		
				R	
	<b>Carried to Collection</b>				
	<b>Section No. 4</b> <b>MECHANICAL INSTALLATION - HVAC</b> <b>Bill No. 3</b> <b>Office Vent</b> <i>Tender Bills of Quantities</i>				

Item No		Quantity	Rate	Amount R
	<b><u>Air Terminals</u></b>			
15	WL 1: Hinged Weather Louvre c/w 50mm Pleated Filter - 300x300	No	1	
16	WL 2: Hinged Weather Louvre c/w 50mm Pleated Filter - 700 x400	No	1	
17	DV 1: Disc Valve - Ø200	No	13	
18	DG 1: Door Grille - 300x300	No	28	
	<b><u>Fans</u></b>			
	<b>Supply, deliver and install extract fans complete with ancillaries, brackets, mounting feet, flexible collar, etc.:</b>			
19	F1, Ø250 mm, 200 l/s@250Pa Inline tube fan 1ph c/w 2 off sound attenuators, hangers & electrical isolator with 7 day timer	No	1	
20	F4, Ø315 mm, 650 l/s@250Pa Axial flow fan 3ph c/w 2 off sound attenuators, hangers & electrical isolator with 7 day timer	No	1	
	<b><u>Electrical</u></b>			



29	C8: Endcap - 250x250	No	11		
30	C7: Spigot/Shoe - 250x250	No	4		
31	C5: Spigot - Ø200	No	22		
32	C9: Endcap - 450x450	No	4		
33	VCD1: Volume Control Damper - Ø200	No	22		
34	Ø200 flexible ducting	m	36		
<b><u>Air Terminals</u></b>					
35	WL 3: Hinged Weater Louvre - 400x800	No	1		
36	DV 1: Disc Valve - Ø200	No	22		
37	DG 1: Door Grille - 300x300	No	4		
<b><u>Fans</u></b>					
R					
<b>Carried to Collection</b>					
<b>Section No. 4</b>					
<b>MECHANICAL INSTALLATION - HVAC</b>					
<b>Bill No. 3</b>					
<b>Office Vent</b>					
<i>Tender Bills of Quantities</i>					

Item No		Quantity	Rate	Amount R
38	<p><b>Supply, deliver and install extract fans complete with ancillaries, brackets, mounting feet, flexible collar, etc.:</b></p> <p>F2, Ø300 mm, 150 l/s@50Pa Window Wall Fan 1ph c/w brackets electrical isolator with 7 day timer</p>	No	10	

<p>39</p>	<p>F3, Ø315 mm, 1080 l/s@150Pa Axial flow fan 3ph c/w 2 off sound attenuators, hangers &amp; electrical isolator with 7 day timer</p> <p><b><u>Electrical</u></b></p> <p><b>Supply, deliver and install all electrical work controls and labour complete for fresh air fans</b></p> <p>Electrical connection</p>	<p>No</p>	<p>1</p>	
<p>40</p>	<p><b><u>Builders Works</u></b></p> <p><b>Making holes in walls with timber frame sheet sleeve complete with sealing and making good</b></p>	<p>No</p>	<p>11</p>	
<p>41</p>	<p>Timber frame</p> <p><b>Miscellaneous</b></p> <p><b>Any items not specified mentioned and not covered in the items above - specify</b></p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p><b>Section No. 4</b>  <b>MECHANICAL INSTALLATION - HVAC</b>  <b>Bill No. 3</b>  <b>Office Vent</b>  <i>Tender Bills of Quantities</i></p>	<p>No</p>	<p>10</p>	<p>R</p>

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<b>Section No. 4</b> <b>MECHANICAL INSTALLATION - HVAC</b> <b>Bill No. 3</b> <b>Office Vent</b> <b><u>COLLECTION</u></b>			
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Section No. 4  
 MECHANICAL INSTALLATION - HVAC  
 Bill No. 3  
 Office Vent  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<b><u>Bill 4: Gymnasium</u></b>			
	<b><u>Ducting</u></b>			
	<b>Supply, deliver and install insulated galv sheet metal ducting, 25mm FRK including, ancillaries, hangers, seals, brackets, etc. all as per drawings and specified:</b>			
1	Straight Double Skin - 1000x1000	m	8	
2	Bend c/w Double Skin - 1000x1000	No	8	

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3	Bend c/w 25mm FRK - 1000x1000	No	4		
4	Straight c/w 25mm FRK - 1000x1000	m	8		
5	Flat on Side Taper c/w 25mm FRK - 1000x1000> 1000x750	No	1		
6	Straight c/w 25mm FRK - 1000x750	m	8		
7	Flat on Side Taper c/w 25mm FRK - 1000x750 > 750x750	No	1		
8	Straight c/w 25mm FRK - 750x750	m	8		
9	Straight - Ø630	m	24		
10	Equal Taper - Ø630 > Ø450	No	5		
11	Straight - Ø450	m	24		
12	Endcap - Ø450	No	4		
13	Spigot - Ø315	No	20		
<b>Carried to Collection</b>					
<b>Section No. 4</b> <b>MECHANICAL INSTALLATION - HVAC</b> <b>Bill No. 4</b> <b>Gymnasium</b> <i>Tender Bills of Quantities</i>				R	

Item No	Quantity	Rate	Amount R
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<u>Air Terminals</u>					
14	SAG 2: Ø315 Variable Core Fixed Vane Constant Volume Radial Diffuser (RVD) c/w Ø400 Spigot	No	20		
15	RAG 1: Return Air Grille - 2000x1500	No	4		
<u>Air Handling Unit</u>					
<b>Package Rooftop Inverter A/C Systems Supply and deliver package/rooftop air conditioner units complete as specified: Install and commission rooftop packaged unit complete as specified, lifting and rigging and all control wiring, thermostats and remote control</b>					
16	RT1: TC = 117.8 kW, TH = 130 Kw Q = 5 664 l/s	No	1		
<b>Supply, deliver and install special duct connections between rooftop units and supply/return ducting complete with flex connection, Double Skin and externally clad:</b>					
17	RT1			SUM	
<b>Supply, deliver and install rectangular sound attenuators:1450x1450x1200L</b>					
RT1					
18	<u>Electrical</u>	No	2		
<b>Supply, deliver and install electrical distribution/control boards complete and including all switchgear, cabling to units cable trays, connections, terminations and all work required to fully commission the unit:</b>					
19	RT1	No	1		

	<u>AC Drain</u>			
	<b>Carried to Collection</b>			R
	Section No. 4 <b>MECHANICAL INSTALLATION - HVAC</b> Bill No. 4 Gymnasium <i>Tender Bills of Quantities</i>			

Item No			Quantity	Rate	Amount R
	<b>Supply, deliver and install Galv pipe piping complete with all ancillaries, brackets and accessories.</b>				
20	Ø50mm Galv pipe	m	12		
21	Ø50mm Galv pipe	No	6		
	<b>Making holes in walls with timber frame sheet sleeve complete with sealing and making good</b>				
22	Timber frame	No	2		

**Miscellaneous**

Any items not specified mentioned and not covered in the items above - specify

Carried to Collection

Section No. 4  
MECHANICAL INSTALLATION - HVAC  
Bill No. 4  
Gymnasium  
*Tender Bills of Quantities*

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Section No. 4  
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Bill No. 4  
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			R	

Item No	Quantity	Rate	Amount R
<u>Bill 5: Kitchen</u>			
<u>Canopy</u>			

	<b>Supply, deliver and install stainless steel canopy including, ancillaries, hangers, seals, brackets, etc. all as per drawings and specified:</b>				
	C 1 - Kitchen Extract Island Canopy c/w drip trays and filters s/s c/w filters 2000 x 2000mm				
1	<b><u>Ducting</u></b>	No	1		
	<b>Supply, deliver and install uninsulated insulated galvanised sheet metal ducting including, ancillaries, hangers, seals, brackets, etc. all as per drawings and specified: CE1: Straight - 350x350</b>				
2		m	2		
3	CE1: Straight - 700x350	m	10		
4	CE2: Bend 90° - 700x350	No	4		
5	CE3: Bend 90° - 700x350	No	1		
6	CE4: Equal Square to Round - 350x700 > Ø400	No	1		
7	CE5: Lobster Bend 90° c/w Cowl and mesh - Ø400	No	1		
8	Ø350 flexible ducting	m	12		
	<b><u>Air Terminals</u></b>				
9	RAG 1: Grille c/w Ø350Spigot - 600x600 c/w plith box 600x600 x300mm	No	8		

<p><u>Fans</u></p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 4</b>  <b>MECHANICAL INSTALLATION - HVAC</b>  <b>Bill No. 5</b>  <b>Kitchen</b>  <i>Tender Bills of Quantities</i></p>				
			R	

Item No	Description	Quantity	Rate	Amount R
10	<p><b>Supply, deliver and install extract fans complete with ancillaries, brackets, mounting feet, flexible collar, etc.:</b></p> <p>F7 Axial Fan spark proof Ø400mm 2200l/s 400V c/w 1.5 POD Sound Attenuator c/w Menilx. Include Contactor + O/L. Also include a Push-Button ON/OFF C/W Variable Speed Drive.</p> <p><u>Electrical</u></p> <p style="text-align: right;">No</p> <p><b>Supply, deliver and install all electrical work controls and labour complete for fresh air fans</b></p> <p>Electrical connection</p>	1		
11	<p><u>Builders Works</u></p> <p><b>Making holes in walls with timber frame sheet sleeve complete with sealing and making good</b></p> <p style="text-align: right;">No</p>	1		
12	<p>Timber frame</p> <p style="text-align: right;">No</p>	1		

**Miscellaneous**

Any items not specified mentioned and not covered in the items above - specify

Carried to Collection

Section No. 4  
MECHANICAL INSTALLATION - HVAC  
Bill No. 5  
Kitchen  
*Tender Bills of Quantities*

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Section No. 4  
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Bill No. 5  
Kitchen  
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Section No. 4  
 MECHANICAL INSTALLATION - HVAC  
 Bill No. 5  
 Kitchen  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<p><b><u>Bill 6: Combo Court</u></b></p> <p><b><u>Ducting</u></b></p> <p>Supply, deliver and install insulated 25mm FRK galvanised sheet metal ducting including, ancillaries, hangers, seals, brackets, etc. all as per drawings and specified:</p>			
1	S1: Bend 90° Double Skin - 1450x1450	No	6	

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2	S2: Straight Double Skin - 1450x1450	m	6		
3	S3: Straight c/w 25mm FRK - 1450x1450	m	36		
4	S3: Straight Double Skin - 1450x1450	m	14		
5	S4: Bend 90° c/w FRK 25mm - 1450x1450	No	6		
6	S5: Flat on Side Taper c/w 25mm FRK - 1450x1450 > 1450x1000	No	2		
7	S6: Straight c/w 25mm FRK - 1450x1000	m	20		
8	S7: Flat on Side Taper c/w 25mm FRK - 1450x1000 > 1000x1000	No	2		
9	S8: Straight c/w 25mm FRK - 1000x1000	m	22		
10	S9: Flat on Side Taper c/w 25mm FRK - 1000x1000 > 550x1000	No	2		
11	S10: Straight c/w 25mm FRK - 550x1000	m	22		
12	S11: Straight c/w 25mm FRK - Ø710	m	160		
13	DD: Dummy Duct Straight c/w 25mm FRK -	m	30		
<b>Carried to Collection</b>					
<b>Section No. 4</b> <b>MECHANICAL INSTALLATION - HVAC</b> <b>Bill No. 6</b> <b>Combo Court</b> <i>Tender Bills of Quantities</i>				R	

Item No		Quantity	Rate	Amount R
	<b>Ø710</b>			
14	C1: Endcap - 550x1000	No	2	
15	C2: Spigot - Ø710	No	40	
16	C3: Endcap - Ø710	No	16	
17	C10: Endcap - 1000x1000	No	1	
	<b><u>Air Terminals</u></b>			
18	SAG 1: Ø400 Variable Core Fixed Vane c/w Ø400 Spigot	No	40	
19	RAG 1: Return Air Grille - 2000x1500	No	6	
	<b><u>Evaporative Cooler</u></b>			
	<b>Evaporative cooler floor standing Supply, deliver, Install and commission evaporative cooler units complete as specified:complete as specified, c/w pump, cooling pads, all control wiring, thermostats and remote control. Lifting and rigging Evaporative Cooler Mini-Cell Chilled Pad Technology or similar approved</b>			
20	EV1: Q = 9120 l/s, @150Pa 4.5kW,3ph 400V	No	2	
	<b>Powder coated brackets for units c/w vibration mountings, tico pads, welded as specified:</b>			
21	50x50x5.0mm x16m angle iron c/w 150x150x5mm base plate 4 off			SUM
22	Hail guards on all sides	No	2	

	<b>Carried to Collection</b>		R	
	<b>Section No. 4</b> <b>MECHANICAL INSTALLATION - HVAC</b> <b>Bill No. 6</b> <b>Combo Court</b> <i>Tender Bills of Quantities</i>			

Item No	Description	Quantity	Rate	Amount R
23	<b>Supply, deliver and install special duct connections between evap cooler supply /return ducting complete with flex connection Double Skin and externally clad:</b>  EV1  <u><b>Electrical</b></u>	No	2	
	<b>Supply, deliver and install all electrical work controls and labour complete for fresh air fans</b>  Electrical connection			
24	<u><b>Builders Works</b></u>  <b>Making holes in walls with timber frame sheet sleeve complete with sealing and making good</b>  Timber frame	No	2	
25	<u><b>AC Drain</b></u>  <b>Supply, deliver and install Galv pipe piping complete with all ancillaries, brackets and accessories.</b>	No	2	
26	Ø50mm Galv pipe	m	12	
27	Ø50mm Galv pipe	No	6	

<p><b><u>Miscellaneous</u></b></p>	<p>Any items not specified mentioned and not covered in the items above - specify</p>	<p>Carried to Collection</p>	<p>R</p>
<p>Section No. 4  <b>MECHANICAL INSTALLATION - HVAC</b>                  Bill No. 6                  Combo Court  <i>Tender Bills of Quantities</i></p>			

<p>Section No. 4  <b>MECHANICAL INSTALLATION - HVAC</b>                  Bill No. 6                  Combo Court  <b><u>COLLECTION</u></b></p>	<p>Page No</p>	<p>Amount R</p>
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Section No. 4  
 MECHANICAL INSTALLATION - HVAC  
 Bill No. 6  
 Combo Court  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<p><b><u>Bill 7: Change Rooms Ventilation, Air Terminals and AC</u></b></p> <p><b><u>Extract Air</u></b></p> <p><b><u>Ducting</u></b></p>			

<b>Supply, deliver and install uninsulated insulated galvanised sheet metal ducting including, ancillaries, hangers, seals, brackets, etc. all as per drawings and specified:</b>					
1	E1: Equal Square to Round - 400x800 > Ø315	No	2		
2	E2: Equal Square to Round - Ø315 > 450x450	No	2		
3	E3: Straight - 450x450	m	20		
4	E4: Straight - 250x250	m	8		
5	E5: Bend 90° - 250x250	No	2		
6	E6: Bend 90° - 450x450	No	2		
7	C8: Endcap - 250x250	No	2		
8	C7: Spigot/Shoe - 250x250	No	2		
9	C5: Spigot - Ø200	No	32		
10	C9: Endcap - 450x450	No	2		
11	VCD1: Volume Control Damper - Ø200	No	32		
12	Ø200 flexible ducting	m	60		
13	Ø350 flexible ducting	m	12		

<b>Carried to Collection</b>			R	
<b>Section No. 4</b> <b>MECHANICAL INSTALLATION - HVAC</b> <b>Bill No. 7</b> <b>Change Rooms</b> <i>Tender Bills of Quantities</i>				

Item No	Quantity	Rate	Amount R
<b><u>Air Terminals</u></b>			
14	No	2	
WL 3: Hinged Weater Louvre - 400x800			
15	No	8	
DG 1: Door Grille - 300x300			
16	No	32	
DV 1: Disc Valve - Ø200			
17	No	8	
RAG 1: Grille c/w Ø350Spigot - 600x600			
<b>c/w plith box 600x600 x300mm</b>			
<b><u>Fans</u></b>			
<b>Supply, deliver and install extract fans complete with ancillaries, brackets, mounting feet, flexible collar, etc.:</b>			
18	No	5	
F2, Ø300 mm, 150 l/s@50Pa Window Wall Fan 1ph c/w brackets electrical isolator with 7 day timer			
19	No	2	
F3, Ø315 mm, 1080 l/s@150Pa Axial flow fan 3ph c/w 2 off sound attenuators, hangers & electrical isolator with 7 day timer			
<b><u>Electrical</u></b>			
<b>Supply, deliver and install all electrical work controls and labour complete for fresh air fans</b>			
Electrical connection			
20	No	7	
<b><u>Builders Works</u></b>			

21	<p><b>Making holes in walls with timber frame sheet sleeve complete with sealing and making good</b></p> <p>Timber frame</p> <p><b><u>Air Conditioning Units</u></b></p> <p style="text-align: center;">Carried to Collection</p> <p>Section No. 4  <b>MECHANICAL INSTALLATION - HVAC</b>                  Bill No. 7                  Change Rooms  <i>Tender Bills of Quantities</i></p>	No	7		R
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Item No		Quantity	Rate	Amount	R
22	<p><b>Supply, deliver, install and commission inverter type units R410a complete with all electrical work, trunking, coated brackets and cables for complete installation as per project drawings and specifications:</b></p> <p>AC-12 Cassette split units of Cooling 3.52kW and Heating 3.81kW</p> <p><b><u>Refrigerant piping</u></b></p> <p>Supply, Deliver and install refrigerant piping c/w armoflex. Vapor seal to expose outdoor piping</p> <p>AC-12</p>	No	1		
23	<p><b><u>AC Drain</u></b></p> <p>Supply, deliver and install uPVC drain piping complete with all ancillaries, brackets and accessories. First 2m with armoflex</p>	m	6		
24	<p>Ø32mm uPVC (blue) pipe</p>	m	10		

<p><b><u>Miscellaneous</u></b></p>	<p>Any items not specified mentioned and not covered in the items above - specify</p>			
<p><b>Carried to Collection</b></p>				
<p><b>Section No. 4</b>  <b>MECHANICAL INSTALLATION - HVAC</b>  <b>Bill No. 7</b>  <b>Change Rooms</b>  <i>Tender Bills of Quantities</i></p>			R	

<p><b>Section No. 4</b>  <b>MECHANICAL INSTALLATION - HVAC</b>  <b>Bill No. 7</b>  <b>Change Rooms</b>  <u><b>COLLECTION</b></u></p>	<p><b>Page No</b></p>	<p><b>Amount R</b></p>
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<p><b>Supply, deliver and install uninsulated insulated galvanised sheet metal ducting including, ancillaries, hangers, seals, brackets, etc. all as per drawings and specified:</b></p>			
1	FA1: Equal Square to Round - 300x300 > Ø250	No	4
2	FA 2: Straight - 300x300	m	8
3	C4: Endcap - 300x300	No	2
4	C5: Spigot - Ø200	No	2
5	Ø200 flexible ducting	m	6
<p><b><u>Air Terminals</u></b></p>			
6	WL 1: Hinged Weather Louvre c/w 50mm Pleated Filter - 300x300	No	2
7	DV 1: Disc Valve - Ø200	No	2
<p><b><u>Fans</u></b></p>			
<p><b>Supply, deliver and install extract fans complete with ancillaries, brackets, mounting feet, flexible collar, etc.:</b></p>			
8	F1, Ø250 mm, 200 l/s@250Pa Inline tube fan 1ph c/w 2 off sound attenuators, hangers & electrical isolator with 7 day timer	No	2
<p><b><u>Air Conditioning Units</u></b></p>			
<p><b>Carried to Collection</b></p>			
<p><b>Section No. 4                  MECHANICAL INSTALLATION - HVAC                  Bill No. 8                  Mezz                  Tender Bills of Quantities</b></p>			

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Item No		Quantity	Rate	Amount R
	<b>Supply, deliver, install and commission inverter type units R410a complete with all electrical work, trunking, coated brackets and cables for complete installation as per project drawings and specifications:</b>			
	AC-15 Cassette split units of Cooling 5.27kW and Heating 5.57kW			
	<b><u>Refrigerant piping</u></b>			
9		No	2	
	<b>Supply, Deliver and install refrigerant piping c/w armoflex. Vapor seal to expose outdoor piping</b>			
	AC-15			
10	<b><u>AC Drain</u></b>	m	50	
	<b>Supply, deliver and install uPVC drain piping complete with all ancillaries, brackets and accessories. First 2m with armoflex</b>			
	Ø32mm uPVC (blue) pipe			
11	<b><u>Builders Works</u></b>	m	30	
	<b>Making holes in walls with timber frame sheet sleeve complete with sealing and making good</b>			
12	Timber frame	No	2	

<b><u>Miscellaneous</u></b>	Any items not specified mentioned and not covered in the items above - specify			
	<b>Carried to Collection</b>			
<b>Section No. 4</b>	<b>MECHANICAL INSTALLATION - HVAC</b>			
<b>Bill No. 8</b>	<b>Mezz</b>			
<i>Tender Bills of Quantities</i>				
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<b>Section No. 4</b>	<b>MECHANICAL INSTALLATION - HVAC</b>			
<b>Bill No. 8</b>	<b>Mezz</b>			
<b><u>COLLECTION</u></b>				
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Section No. 4  
 MECHANICAL INSTALLATION - HVAC  
 Bill No. 8  
 Mezz  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<p><b><u>Bill 9: Groundkeeper Ventilation, Air Terminals and AC Fans</u></b></p>			



Item No		Quantity	Rate	Amount R
	<b>Supply, deliver and install uPVC drain piping complete with all ancillaries, brackets and accessories. First 2m with armoflex</b>			
	Ø32mm uPVC (blue) pipe			
7	<b><u>Electrical</u></b>	m	8	
	<b>Supply, deliver and install all electrical work controls and labour complete for fresh air fans</b>			
	Electrical connection			
8	<b><u>Builders Works</u></b>	No	5	
	<b>Making holes in walls with timber frame sheet sleeve complete with sealing and making good</b>			
9	Timber frame	No	5	

**Miscellaneous**

Any items not specified mentioned and not covered in the items above - specify

Carried to Collection

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Bill No. 9  
Groundkeeper  
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Section No. 4  
 MECHANICAL INSTALLATION - HVAC  
 Bill No. 9  
 Groundkeeper  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<p>Bill 10: Guardhouse Ventilation,Air Terminals and AC</p> <p><u>Fans</u></p>			

<p><b>Supply, deliver and install extract fans complete with ancillaries, brackets, mounting feet, flexible collar, etc.:</b></p>			
1	F2, Ø300 mm, 150 l/s@50Pa Window Wall Fan 1ph c/w brackets electrical isolator with 7 day timer	No	1
2	F6, Ø300 mm, 60 l/s@30Pa Ceiling Mounted Fan 1ph c/w brackets electrical isolator with 7 day timer	No	1
<p><b><u>Air Terminals</u></b></p>			
3	DG 1: Door Grille - 300x300	No	1
4	WL 1: Hinged Weather Louvre c/w 50mm Pleated Filter - 300x300	No	2
<p><b><u>Air Conditioning Units</u></b></p>			
<p><b>Supply, deliver, install and commission inverter type units R410a complete with all electrical work, trunking, coated brackets and cables for complete installation as per project drawings and specifications:</b></p>			
<p>AC-17 Midwall split units of Cooling 3.52kW and Heating 3.81kW</p>			
5	<b><u>Refrigerant piping</u></b>	No	1
<p><b>Supply, Deliver and install refrigerant piping c/w armoflex. Vapor seal to expose outdoor piping</b></p>			
6	AC-17	m	3
<p><b><u>AC Drain</u></b></p>			
<p><b>Carried to Collection</b></p>			
<p><b>Section No. 4 MECHANICAL INSTALLATION - HVAC Bill No. 10 Guardhouse Tender Bills of Quantities</b></p>			

Item No		Quantity	Rate	Amount R
	<p><b>Supply, deliver and install uPVC drain piping complete with all ancillaries, brackets and accessories. First 2m with armoflex</b></p> <p>Ø32mm uPVC (blue) pipe</p>			
7	<p><b><u>Builders Works</u></b></p>	m	5	
8	<p><b>Making holes in walls with timber frame sheet sleeve complete with sealing and making good</b></p> <p>Timber frame</p>	No	2	

**Miscellaneous**

Any items not specified mentioned and not covered in the items above - specify

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Bill No. 10  
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MECHANICAL INSTALLATION - HVAC  
Bill No. 10  
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Item No		Quantity	Rate	Amount R
	<b><u>Bill 1</u></b>			
1	Allow fully for compliance with the Conditions of Contract as is applicable to the Main Contract.		SUM	
2	Allow for compliance with general matters relating to these specifications.		SUM	
3	Allow for compliance with Occupational Health & Safety Act and Regulations and other statutory requirements. COVID 19 Incl		SUM	
4	Operating and maintenance manuals including shop and cutting list with drawings and all as-built drawings.	Sets	3.0	
5	Allow for the guarantee of the complete installation for a period of 12 months.		SUM	
6	Allow for the full maintenance of the installation for a period of 12 months		SUM	
7	Allow for the provision of electrical certificate of compliance for all mechanical related electrical work		SUM	
8	Connect with dia. 150 mm galvanised pipe above ground to dia. 150 mm HDPE connection supplied by civil contractor to tank:		SUM	

<p><b>Carried Forward to Sectional Summary: 5</b>  <b>Section No. 5</b>  <b>MECHANICAL INSTALLATION - FIRE PROTECTION</b>  <b>Bill No. 1</b>  <b>Preliminaries and General</b>  <i>Tender Bills of Quantities</i></p>				R
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Item No		Quantity	Rate	Amount R
	<b><u>Bill 2</u></b>			
1	<b><u>PLANT AND VALVE ROOM</u></b>  150 mm diameter alarm valve, installed on ground floor valve chamber, signage, booster points, flow proving apparatus, locks and chains, pressure gauges, hydraulic alarm gong, all according to specifications		SUM	
2	25mm diameter Saunders remote test valve	No 2		
3	Diesel driven fire pump complete with diesel engine with water to water heat exchanger, batteries, mechanical coupling and end suction centrifugal pump installed on concrete filled steel frame base, including all fixing, all to SANS 10287 and specifications. Capacity as specified in the technical specifications and hydraulically calculated by the contractor		SUM	
4	Diesel tank complete with hand operated diesel pump, level indicator, fuel line, fuel filter, installed mounted on a stand next to diesel driven pump, including all fixing, with sufficient diesel storage for 8 hours of operation of diesel driven pump under full load		SUM	

5	Electrical control panel for diesel driven fire pump including voltmeters, battery chargers, tachometers, emergency stop/start, controls, 12V operation from batteries, hour meters, etc. all fully designed, supplied, tested, installed and commissioned as described in SANS 10287 and to specifications			
			SUM	
6	Exhaust pipe, fully lagged, from diesel driven pump to outside of building, installed, including all fixing, as per specifications.			
			SUM	
7	Bench test certificate for diesel driven pump by an approved testing authority as required by ASIB 0287			
			SUM	
			R	
<b>Carried to Collection</b>				
<b>Section No. 5</b> <b>MECHANICAL INSTALLATION - FIRE PROTECTION</b> <b>Bill No. 2</b> <b>Plant and Valve room</b> <i>Tender Bills of Quantities</i>				

Item No	Description	Quantity	Rate	Amount R
8	Electric driven fire pump complete with electric motor, coupling and end suction centrifugal pump installed on concrete filled steel frame base, including all fixing, all to SANS 10287 and specifications. Capacity as specified in the technical specifications and hydraulically calculated by contractor			
			SUM	
9	Electrical control panel to control and supply power to electric driven fire pump all fully designed, supplied, tested, installed and commissioned as described in SANS 10287 and to specifications			
			SUM	
10	Electric driven jockey pump complete with electric motor, vertical multi stage centrifugal pump installed on concrete filled steel frame base, including all fixing, all to specifications. Capacity as specified in the technical specifications and hydraulically calculated by the contractor			
			SUM	

11	Electrical control panel to control and supply power to electric driven jockey pump all fully designed, supplied, tested, installed and commissioned as described in SANS 10287 and to specifications				
			SUM		
12	Sectional galvanised steel fire water storage tank, 180 000 litre, installed on concrete plinth at ground level , including all fixing all to SANS 10287 and specifications				
			SUM		
13	Pump room pipe work, fittings and				
	associated equipment between pump system, storage tank and building delivery point, installed, including all fixing as per specification and drawings				
			SUM		
14	Pump room valves, supervised valves, strainers, nonreturn valves, expansion bellows, and associated equipment between pump system, storage tank and building delivery point, installed, including all fixing as per specification and drawings				
			SUM		
			R		
<b>Carried to Collection</b>					
<b>Section No. 5</b>					
<b>MECHANICAL INSTALLATION - FIRE PROTECTION</b>					
<b>Bill No. 2</b>					
<b>Plant and Valve room</b>					
<i>Tender Bills of Quantities</i>					

Item No		Quantity	Rate	Amount	R
15	Pump discharge test arrangement including orifice plates, gauges, valves and discharge pipe to storage tank, installed, including all fixing as per SANS 10287 requirements				
			SUM		
16	Water pipe cooling circuit from water to water heat exchanger on diesel driven fire pump engine to storage tank including all fittings, piping, sight glasses and bracketing, installed, including all fixing				
			SUM		





<p><b>Section No. 5</b></p> <p><b>MECHANICAL INSTALLATION - FIRE PROTECTION</b></p> <p><b>Bill No. 2</b></p> <p><b>Plant and Valve room</b></p> <p><b><u>COLLECTION</u></b></p>	<p><b>Page No</b></p>	<p><b>Amount R</b></p>	<p><b>Amount R</b></p>
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Section No. 5  
**MECHANICAL INSTALLATION - FIRE PROTECTION**  
 Bill No. 2  
 Plant and Valve room  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<b><u>Bill 3</u></b>			
	<b><u>FIRE HYDRANTS AND HOSE REELS</u></b>			
	<b>Galvanised pipe work, medium grade to SANS 62, installed against walls, under slabs and in ceilings, including all fixing and running joints, all to specifications:</b>			
1	25 mm diameter pipe	m	100	
2	32 mm diameter pipe	m	40	

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3	40 mm diameter pipe	m	1		
4	50 mm diameter pipe	m	1		
5	80 mm diameter pipe	m	1		
6	100 mm diameter pipe	m	1		
7	150 mm diameter pipe	m	160		
<b>Galvanised mild steel elbows, installed, including all fixing, all to specifications:</b>					
8	25 mm diameter elbow	No	46		
9	32 mm diameter elbow	No	25		
10	40 mm diameter elbow	No	1		
11	80 mm diameter elbow	No	1		
12	100 mm diameter elbow	No	1		
13	150 mm diameter elbow	No	55		
<b>Carried to Collection</b>					
<b>Section No. 5</b> <b>MECHANICAL INSTALLATION - FIRE PROTECTION</b> <b>Bill No. 3</b> <b>Fire Hydrants and Hose Reels</b> <i>Tender Bills of Quantities</i>					
				R	

Item No		Quantity	Rate	Amount R
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	<b>Galvanised mild steel equal tees, installed, including all fixing, all to specifications:</b>				
14	32 mm diameter tee	No	12		
15	40 mm diameter tee	No	1		
16	50 mm diameter tee	No	1		
17	80 mm diameter tee	No	1		
18	100 mm diameter tee	No	1		
19	150 mm diameter tee	No	20		
	<b>Galvanised mild steel reducing tees, installed, including all fixing, all to specifications:</b>				
20	32 x 25 mm diameter reducing tee	No	16		
21	50 x 32 mm diameter reducing tee	No	1		
22	100 x 50 mm diameter reducing tee	No	16		
23	150 x 100 mm diameter reducing tee	No	16		
	<b>Galvanised mild steel reducing bushes, installed, including all fixing, all to specifications:</b>				
24	32 x 25 mm diameter reducing	No	25		
25	40 x 32 mm diameter reducing	No	1		
26	50 x 25 mm diameter reducing	No	1		
27	50 x 32 mm diameter reducing	No	1		
28	80 x 25 mm diameter reducing	No	1		
29	100 x 32 mm diameter reducing	No	20		

R	Carried to Collection			
	<b>Section No. 5</b> <b>MECHANICAL INSTALLATION - FIRE PROTECTION</b> <b>Bill No. 3</b> <b>Fire Hydrants and Hose Reels</b> <i>Tender Bills of Quantities</i>			

Item No		Quantity	Rate	Amount R
30	100 x 50 mm diameter reducing	No	1	
31	100 x 80 mm diameter reducing	No	1	
32	150 x 100 mm diameter reducing	No	20	
	<b>Galvanised mild steel unions, installed, including all fixing, all to specifications:</b>			
33	25 mm diameter union	No	30	
	<b>Galvanised mild steel sockets, installed, including all fixing, all to specifications:</b>			
34	25 mm diameter socket	No	30	
35	32 mm diameter socket	No	10	
36	50 mm diameter socket	No	1	
37	80 mm diameter socket	No	1	
	<b>Grooved connections, installed, including all fixing, all to specifications:</b>			
38	80 mm diameter grooved fitting	No	1	
39	100 mm diameter grooved fitting	No	1	
40	150 mm diameter grooved fitting	No	35	

<b>Galvanised mild steel nipples, installed, including all fixing, all to specifications:</b>					
41	25 mm diameter nipple	No	35		
42	32 mm diameter nipple	No	1		
43	40 mm diameter nipple	No	1		
44	50 mm diameter nipple	No	1		
					R
		<b>Carried to Collection</b>			
<b>Section No. 5</b>					
<b>MECHANICAL INSTALLATION - FIRE PROTECTION</b>					
<b>Bill No. 3</b>					
<b>Fire Hydrants and Hose Reels</b>					
<i>Tender Bills of Quantities</i>					

Item No			Quantity	Rate	Amount R
45	80 mm diameter nipple	No	1		
46	SANS approved fire hose reel complete with 30m PVC hose, chromium plated stopcock, shut-off nozzle and wall bracket, installed, including all fixing, all to specifications	No	10		
47	Fire hose reel close back steel cabinet, installed, including all fixing	No	6		
48	SANS approved fire hydrant, right angled complete, installed, including all fixing, all to specifications	No	6		
49	4,5 Kg Pressurised Dry Chemical Powder Portable fire extinguisher with hook made of 120 x 20 x 2 mm mild steel strip bent to form hook, screwed twice on and including wrough SA Pine backboard size 100 x 600 x 20 mm thick with chamfered edges, plugged and screwed to wall and finished with two coats of waterproof varnish all according to specifications.	No	26		

50	9 Kg Pressurised Dry Chemical Powder Portable fire extinguisher with hook made of 120 x 20 x 2 mm mild steel strip bent to form hook, screwed twice on and including wrough SA Pine backboard size 100 x 600 x 20 mm thick with chamfered edges, plugged and screwed to wall and finished with two coats of waterproof varnish all according to specifications.	No	2		
51	5 Kg Pressurised CO2 Portable fire extinguisher with hook made of 120 x 20 x 2 mm mild steel strip bent to form hook, screwed twice on and including wrough SA Pine backboard size 100 x 600 x 20 mm thick with chamfered edges, plugged and screwed to wall and finished with two coats of waterproof varnish all according to specifications.	No	29		
52	Fire extinguisher steel cabinet, installed, including all fixing	No	14		
Carried to Collection					
<b>Section No. 5</b> <b>MECHANICAL INSTALLATION - FIRE PROTECTION</b> <b>Bill No. 3</b> <b>Fire Hydrants and Hose Reels</b> <i>Tender Bills of Quantities</i>					

Item No		Quantity	Rate	Amount R
53	Fire hose reel weather proof glass fibre cabinet, installed, including all fixing	No	1	
	<b>Clean with galvanising cleaning agent, one coat calcium plumbate, one coat matt undercoat and one coat enamel paint:</b>			
54	Piping not exceeding 50 mm	m	140	

55	Piping exceeding 50 mm	m	160	
<p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 5</b>  <b>MECHANICAL INSTALLATION - FIRE PROTECTION</b>  <b>Bill No. 3</b>  <b>Fire Hydrants and Hose Reels</b>  <i>Tender Bills of Quantities</i></p>				R

<p><b>Section No. 5</b>   <b>MECHANICAL INSTALLATION - FIRE PROTECTION</b>   <b>Bill No. 3</b>   <b>Fire Hydrants and Hose Reels</b>   <u><b>COLLECTION</b></u></p>	<p><b>Page No</b></p>		<p><b>Amount R</b></p>
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Section No. 5  
**MECHANICAL INSTALLATION - FIRE PROTECTION**  
 Bill No. 3  
**Fire Hydrants and Hose Reels**  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<p><b><u>Bill 4</u></b></p> <p><b><u>Smoke Extact</u></b></p> <p><b>Supply, deliver and install smoke extract fans complete with ancillaries, brackets, mounting feet, etc.:</b></p> <p>EX1 Axial smoke extact Fan ESP Ø1000mm 2200l/s, 150Pa class H high temperature motor, 300°C for 120 minutes motor rating, complete, Include Contactor + O/L.</p>			
1		No	5	
2	Hoisting and rigging of equipment into position, complete	No	5	

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3	Electrical connection Supply, deliver and install all electrical work controls and labour complete, fire rate cable all equipment in cable trays terminating in isolators	No	5		
4	Supporting frame 76 x 38mm x 6m taper flange channel c/w weld, beackets, painted completed	No	16		
<b><u>Miscellaneous</u></b>					
Any items not specified mentioned and not covered in the items above - specify					
<p><b>Carried Forward to Sectional Summary: 5</b>                  Section No. 5                  MECHANICAL INSTALLATION - FIRE PROTECTION                  Bill No. 4                  Smoke Extract                  Tender Bills of Quantities</p>					
				R	

Item No		Quantity	Rate	Amount R
<b><u>Bill 5</u></b>				
<b><u>GENERAL</u></b>				
1	Supply PVC or galvanised steel sleeves for casting into concrete slabs		SUM	
2	Supply PVC or galvanised steel sleeves for building into brick walls		SUM	

3	Core drilling where PVC or galvanised steel sleeves can not be used		SUM	
4	Signage, regulation type 190 x 190 mm fire signs, photoluminescent type framed in aluminium frame Coding, marking and labelling of equipment		SUM	
5	Pressure testing and commissioning of the complete fire installation		SUM	
6	ASIB inspection of the complete fire installation		SUM	
7	Training and instruction in use of plant for end-user operational staff		SUM	
	Any items not specifically mentioned and not covered in the items above – specify			
<b>Carried Forward to Sectional Summary: 5</b>				
<b>Section No. 5</b>				
<b>MECHANICAL INSTALLATION - FIRE PROTECTION</b>				
<b>Bill No. 5</b>				
<b>General</b>				
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<b>Bill No</b>	<b>Section No. 5</b>			<b>Amount</b>
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Item No		Quantity	Rate	Amount R
	<b><u>BILL NO 1</u></b>			
	<b><u>LANDSCAPING</u></b>			
	<u>Maintenance period</u>			
	Attention is drawn to the maintenance period prescribed in the specification			
	<b>SOFT LANDSCAPING</b>			
	<u>Site clearance</u>			
1	Stripping average 200mm thick layer of top soil and stockpiling on site	m2	139	
	<u>Ground preparation</u>			
2	Cultivation and preparation of areas to be planted	m2	139	
	<u>Topsoil, compost, lime and fertilizer</u>			
3	Topsoil supplied by the contractor in plant beds, grassed areas and holes for trees, shrubs, etc	m3	21	
4	Compost in plant beds, holes for trees, shrubs, etc	m3	14	
	<u>Grassing, ground covers, etc</u>			
5	LM Grass roll on lawn	m2	139	
	<b>HARD LANDSCAPING</b>			
6	<u>20mm Crushed stone dressing evenly spread with larger stones around outlets 100mm Thick to falls</u>	m2	433	

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<p>Section No. 6 LANDSCAPING Bill No. 1 Landscaping <i>Tender Bills of Quantities</i></p>	<p>Carried to Final Summary</p>		R	
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Item No		Quantity	Rate	Amount R
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**BILL NO.1**

**EARTHWORKS (PROVISIONAL)**

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.

**Nature of Ground.:**

The soil material on site varies between clayey-silty sands and clays of low plasticity, respectively classifying as SC-SM and CL. These soils are corrosive. The shale encountered at depth is characterised as either poorly graded gravels or clayey gravels of low plasticity.

(For more details on the soil conditions, please refer to the attached geotechnical investigation report marked as annexure E)

Descriptions of excavations shall be deemed to include all ground conditions classified as "earth" described in the above report and where more difficult character as indicated, these are separately measured.

**Carting away of excavated material.:**

Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or alternatively, from stock piles situated on the building site.

**Carried to Collection**

**Section No. 7**  
**ROADS, PAVINGS, ETC**  
**Bill No. 1**  
**Earthworks**  
*Tender Bills of Quantities*

R

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Item No		Quantity	Rate	Amount R	
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**Excavations, Filling , etc.**

The Contractor shall notify the Principal Agent as soon as the excavations are ready to receive foundations and no building work may be started until the Principal Agent has approved the excavations.

Over excavations taken beyond the levels and sizes shown or required to obtain a solid foundation shall be filled by the contractor, at his own expense, with 15MPa concrete.

Should the Contractor consider that any of the excavations are more difficult in nature than excavations in "earth" he shall immediately notify the Quantity Surveyor in writing. Failing such notification the excavations shall be deemed to be in "earth" and shall be measured and valued accordingly.

The Contractor may use any method he chooses to excavate any class of material, but his chosen method of excavations shall not determine the classification of the material excavated.

**Blasting:**

No blasting will be allowed without the written permission of the Principal Agent.

Should blasting be necessary, the Contractor shall take every precaution to protect the Works and persons, animals and property in the vicinity of the Works. The Contractor will be held responsible for any injury or damage caused by any blasting operations and shall make good such damage at his own expense.

**Testing:**

Prices for filling are to include for all necessary density tests in accordance with SANS 1200D.

**Carried to Collection**

**Section No. 7**  
**ROADS, PAVINGS, ETC**  
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**Earthworks**  
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Item No		Quantity	Rate	Amount R
	<p><b>Prescribed density tests:</b></p> <p>NOTE: The Contractor is specifically referred to the SANS 1200 clause regarding the number of density tests required on the layer work, filling, etc. The tests as prescribed are deemed to be included in the appropriate rates for the layer work, filling, etc. and will not be paid for separately. The following density tests measured are over and above those normally required by SANS 1200 and is for the use of the Engineer only and will only be paid for if instructed in writing and approved as acceptable by the Engineer.</p>			
	<p><b><u>SITE CLEARANCE, ETC.</u></b></p>			
1	<p><b>Site clearance, etc.:</b></p> <p>Stripping average 200mm thick layer of top soil and stockpiling on site.</p>			
	<p><b><u>BULK EXCAVATION</u></b></p>	m2	4,575	
	<p><b>Filling with G6 approved material supplied and carted onto site by the Contractor, compacted to a density of at least 97% Mod. AASHTO maximum density.:</b></p>			
2	<p>Under floors, pavings, etc.</p>	m3	686	
	<p><b>Coarse river sand filling compacted to 100% Mod. AASHTO maximum density.:</b></p>			
3	<p>Under floors, etc.</p>	m3	229	
	<p><b>Keeping excavations free of water.:</b></p> <p>Keeping excavations free of water other than subterranean water.</p>		Item	
	<p><b>Prescribed density tests on filling.:</b></p>			
5	<p>"Modified AASHTO Density" test.</p>	No	91	

	<b>Carried to Collection</b>		R	
	Section No. 7 ROADS, PAVINGS, ETC Bill No. 1 Earthworks <i>Tender Bills of Quantities</i>			

Item No			Quantity	Rate	Amount R
6	"Road Indicator" test	No	46		
7	<b>Compaction of surfaces.:</b>  Rip and scarify top surface of existing formation to a depth of 150mm and compact to not less than 100% of Modified AASHTO density.  <u><b>SOIL POISONING</b></u>				
		m2	4,575		
8	<b>Approved brand of weed killer mixed and applied in accordance with manufacturer's instruction.:</b>  Under floors and pavings, etc. (Provisional).	m2	4,575		

<p>Section No. 7                  ROADS, PAVINGS, ETC                  Bill No. 1                  Earthworks  <i>Tender Bills of Quantities</i></p>	<p>Carried to Collection</p>	<p>R</p>
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<p>Section No. 7                  ROADS, PAVINGS, ETC                  Bill No. 1                  Earthworks  <u>COLLECTION</u></p>	<p>Page                  No</p>	<p>Amount                  R</p>
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Section No. 7  
ROADS, PAVINGS, ETC  
Bill No. 1  
Earthworks  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<p><b><u>BILL NO.2</u></b></p> <p><b><u>MASONRY</u></b></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <p><b><u>ROADWORK, PARKING AREAS AND PAVING</u></b></p> <p>Paving is to be laid to herringbone pattern on 20mm (thickness after final compaction) clean river sand (preparation of ground or filling elsewhere)</p> <p>Clean sand is to be swept into joints between roadstones</p> <p>Paving to be laid on subgrade conforming to SANS 1200 D Degree Of Accuracy</p> <p>Paving to be inspected and re-sanded after three months. (Broken/ cracked pavers will not be accepted).</p> <p>Paving should be laid in accordance with SANS 1200 MJ and CMA concrete paving manuals</p> <p><b>Paving of light grey paving blocks with butt joints on 25mm thick river sand bed with sand and cement mixture swept and vibrated into joints and hosed down:</b></p>			
1	80mm Paving laid in double ZigZag pattern with a minimum longitudinal fall of 1% on a transverse fall of at least 2%.	m2	2,436	
2	220mm Wide brick-on-flat header course edgings on 200mm thick mortar bed.	m	795	
3	Fair circular cutting	m	99	

	<b>Carried to Collection</b>		R	
	<b>Section No. 7</b> <b>ROADS, PAVINGS, ETC</b> <b>Bill No. 2</b> <b>Masonry</b> <i>Tender Bills of Quantities</i>			

Item No	Description	Quantity	Rate	Amount R
4	<b>Paving of 25MPa non-interlocking charcoal concrete cobbles with butt joints on 25mm thick river sand bed with sand and cement mixture swept and vibrated into joints and hosed down:</b>  200 x 200 x 55mm Thick Paving laid in Non-interlocking pattern with a minimum longitudinal fall of 1% on a transverse fall of at least 2%.	m2	1,021	
5	220mm Wide brick-on-flat header course edgings on 200mm thick mortar bed.	m	502	
6	Fair circular cutting	m	25	
7	<b>Paving of 25MPa non-interlocking Tan concrete cobbles with butt joints on 25mm thick river sand bed with sand and cement mixture swept and vibrated into joints and hosed down:</b>  200 x 200 x 55mm Thick Paving laid in Non-interlocking pattern with a minimum longitudinal fall of 1% on a transverse fall of at least 2%.	m2	901	
8	200mm Wide brick-on-flat header course edgings on 200mm thick mortar bed.	m	681	
9	Fair circular cutting	m	34	
10	<b>Paving of Smartstone non-interlocking cosmopolitan pavers with butt joints on 25mm thick river sand bed with sand and cement mixture swept and vibrated into joints and hosed down:</b>  98,5 x 98,5 x 60mm Thick Paving laid in Noninterlocking pattern, to falls.	m2	217	

11	98,5 x 98,5 x 60mm Thick Parking bay indicators laid in Non-interlocking pattern, to falls.	m2	77		
12	220mm Wide brick-on-flat header course edgings on 200mm thick mortar bed.	m	124		
<b>Carried to Collection</b>					
<b>Section No. 7</b> <b>ROADS, PAVINGS, ETC</b> <b>Bill No. 2</b> <b>Masonry</b> <i>Tender Bills of Quantities</i>					
				R	

Item No		Quantity	Rate	Amount R
13	Fair circular cutting	m	6	
	<b>Pre cast concrete kerbing finished smooth on exposed surfaces including building in, bedding, jointing, pointing, concrete haunching, excavation, backfilling, ramming, etc. complete as indicated.:</b>			
14	Barrier kerb (Figure 3) overall size 150 x 300mm high.	m	987	
15	Barrier kerb circular on plan (Figure 3) overall size 150 x 300mm high to radius not exceeding 4m radius, formed with short lengths of straight kerbs.	m	99	

16	Mountable kerb (Figure 8a) overall size 300 x 150mm high.	m	7	
<b>Carried to Collection</b>				R
<b>Section No. 7</b> <b>ROADS, PAVINGS, ETC</b> <b>Bill No. 2</b> <b>Masonry</b> <i>Tender Bills of Quantities</i>				

	<b>Section No. 7</b>  <b>ROADS, PAVINGS, ETC</b>  <b>Bill No. 2</b>  <b>Masonry</b>  <u><b>COLLECTION</b></u>	<b>Page No</b>		<b>Amount R</b>
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ROADS, PAVINGS, ETC  
Bill No. 2  
Masonry  
*Tender Bills of Quantities*

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Item No		Quantity	Rate	Amount R
	<p><b><u>ROADS, PAVINGS, ETC.</u></b></p> <p><b><u>BILL NO.3</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The Model Preambles for Trades (2008 edition), as published by the Association of South African Quantity Surveyors, shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items, fully described in the said Model Preambles, will be entertained.</p> <p>The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles.</p> <p><b><u>COLOURS</u></b></p> <p>Unless otherwise described, all paintwork shall be deemed to have a colour value in excess of 7 the Munsel system in accordance with SANS 1091</p> <p><b><u>PAINTWORK, ETC. TO NEW WORK</u></b></p> <p><b>Prepare surfaces, wash thoroughly, remove loose material, leave to dry and apply two coats SABS approved water borne acrylic road marking paint:</b></p>			
1	Markings on paving surfaces, exceeding 100mm wide.	m2	56	
2	Markings on paving surfaces, 100mm wide.	m	15	
3	Disabled parking sign in 1000 x 1000mm surround.	No	2	

Carried Forward to Sectional Summary: 7 Section No. 7 ROADS, PAVINGS, ETC Bill No. 3 Paintwork <i>Tender Bills of Quantities</i>			R	

Bill No	Section No. 7 ROADS, PAVINGS, ETC <u>SECTION SUMMARY - ROADS, PAVINGS, ETC</u>	Page No		Amount R
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Paintwork				
Section No. 7 ROADS, PAVINGS, ETC <i>Tender Bills of Quantities</i>	Carried to Final Summary		R	

Item No		Quantity	Rate	Amount R
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**BILL NO. 1**

**PLUMBING AND DRAINAGE (PROVISIONAL)**

**SUPPLEMENTARY PREAMBLES**

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed uPVC pressure pipes and fittings

Pipes for water supply shall be of the class stated

Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings

Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints

Lead pipes and traps

All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel

**Carried to Collection**

**Section No. 8  
BULK WATER SUPPLY  
Bill No. 1  
Plumbing and Drainage  
*Tender Bills of Quantities***

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Smithfield Multi-Purpose Indoor Sports Centre  
Department of Sports, Arts, Culture and Recreation

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Item No		Quantity	Rate	Amount R	
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Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained

Wire gratings

Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

**Carried to Collection**

**Section No. 8**  
**BULK WATER SUPPLY**  
**Bill No. 1**  
**Plumbing and Drainage**  
*Tender Bills of Quantities*

R

Item No		Quantity	Rate	Amount R
	<p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:</p> <p>SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200</p> <p>DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200</p> <p>LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><b>WATER SUPPLIES</b></p> <p><b>HDPE/12 Pipes</b></p> <p>50mm Pipes laid in and including trenches not exceeding 1m deep.</p>			
1		m		52
2	75 x 50mm Reducing tee.	No		1
3	50mm Bend	No		1
4	50mm Diameter non-return valve	No		1
	<b>mPVC/09 pipes:</b>			
5	63mm Pipes laid in and including trenches not exceeding 1m deep.	m		274
6	<b>Extra over mPVC pipes for fittings:</b>	No		6
	63mm bend.			

	<b>Carried to Collection</b>		R	
<p><b>Section No. 8</b>  <b>BULK WATER SUPPLY</b>  <b>Bill No. 1</b>  <b>Plumbing and Drainage</b>  <i>Tender Bills of Quantities</i></p>				

Item No			Quantity	Rate	Amount R
7	63mm junction.	No	3		
8	63mm End cap.	No	1		
<b>Municipal connection:</b>					
9	Municipal connection.		Item		
<b>Sundries</b>					
10	500 x 500mm Cast iron stopcock box including brick chamber below not exceeding 1000mm deep internally	No	1		
11	80mm Meter or valve box including brick chamber below not exceeding 1mm deep internally	No	1		
12	<b>Testing:</b>		Item		
	Testing water pipe system.				

Carried to Collection

Section No. 8  
**BULK WATER SUPPLY**  
 Bill No. 1  
**Plumbing and Drainage**  
*Tender Bills of Quantities*

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Section No. 8

**BULK WATER SUPPLY**

Bill No. 1

**Plumbing and Drainage**

**COLLECTION**

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Item No		Quantity	Rate	Amount R
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**BILL NO. 11**

**PLUMBING AND DRAINAGE (PROVISIONAL)**

**SUPPLEMENTARY PREAMBLES**

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed uPVC pressure pipes and fittings

Pipes for water supply shall be of the class stated

Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings

Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions

**Carried to Collection**

**Section No. 9**  
**SOIL DRAINAGE**  
**Bill No. 1**  
**Plumbing and Drainage**  
*Tender Bills of Quantities*

R

Item No		Quantity	Rate	Amount R
	<p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:</p> <p>SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200</p> <p>DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200</p> <p>LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><u>Flush pans</u></p> <p>Flush pans shall have straight or side outlets and P or S traps as necessary</p> <p><b><u>SOIL DRAINAGE</u></b></p> <p><b>Class 6 Corflo uPVC pipes:</b></p> <p>110mm Pipes laid vertically or ramped to backdrops, rodding eyes, etc (no excavations).</p> <p>110mm Pipes laid in and including trenches not exceeding 1m deep.</p> <p>110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep.</p> <p>160mm Pipes laid in and including trenches not exceeding 1m deep.</p>			
1		m	25	
2		m	178	
3		m	51	
4		m	219	

	<b>Carried to Collection</b>		R	
	<b>Section No. 9</b> <b>SOIL DRAINAGE</b> <b>Bill No. 1</b> <b>Plumbing and Drainage</b> <i>Tender Bills of Quantities</i>			

Item No		Quantity	Rate	Amount R
	<b>Extra over class 6 Corflo uPVC pipes for fittings:</b>			
5	110mm Bend.	No	10	
6	110mm Junction.	No	20	
7	160mm Reducing junction.	No	3	
8	110mm Access bend.	No	3	
9	160mm Access bend.	No	3	
10	110mm Access junction.	No	3	
11	160mm Access junction.	No	3	
12	110mm Access reducing junction.	No	3	
13	160mm Access reducing junction.	No	3	
14	110mm Access double junction.	No	3	
15	160mm Access double junction.	No	3	
16	110mm Rodding eye including cover plate, unreinforced concrete surround, etc.	No	10	

17	<p><b>Sumps, catchpits, inspection chambers, etc (gratings and covers elsewhere)</b></p> <p>Precast concrete inspection chamber size 750mm internal diameter, not exceeding 1000mm deep internally, complete with 150mm thick precast concrete cover slab with rebated opening for cover and frame, benching in bottom chamber and dished down to channels.</p>				
		No	6	R	
	<b>Carried to Collection</b>				
	<p><b>Section No. 9</b> <b>SOIL DRAINAGE</b> <b>Bill No. 1</b> <b>Plumbing and Drainage</b> <i>Tender Bills of Quantities</i></p>				

Item No		Quantity	Rate	Amount R
18	<p>Precast concrete inspection chamber 1000mm internal diameter exceeding 1000mm but not exceeding 1500mm deep deep internally, complete with 150mm thick precast concrete cover slab with rebated opening for cover and frame, benching in bottom chamber and dished down to channels.</p>	No	5	
	<p><b>Gratings, covers, etc:</b></p>			
19	<p>560mm Diameter precast concrete manhole cover lid slab (Type 4A), all in accordance with SABS 558</p>	No	11	
20	<p>Lifting key for manhole cover</p>	No	11	
21	<p><b>Pipe connections:</b></p> <p>Excavate to expose and break into side of existing manhole, break through side into manhole for new 160mm uPVC pipe connection, including changing benching, etc to accommodate new connection.</p>	No	1	

22	<p><b>Encasing pipes in concrete:</b></p> <p>15MPa/19mm Unreinforced concrete encasing minimum 160mm thick all round 110mm pipes (pipes elsewhere measured) including any additional excavation, formwork, etc</p>	m	10		
23	<p><b>Sundries:</b></p> <p>Testing soil drainage system.</p>		Item		
<b>Carried to Collection</b>					
<p><b>Section No. 9</b> <b>SOIL DRAINAGE</b> <b>Bill No. 1</b> <b>Plumbing and Drainage</b> <i>Tender Bills of Quantities</i></p>					

<p><b>Section No. 9</b></p> <p><b>SOIL DRAINAGE</b></p> <p><b>Bill No. 1</b></p> <p><b>Plumbing and Drainage</b></p> <p><b><u>COLLECTION</u></b></p>				
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**BILL NO.1**

**EARTHWORKS (PROVISIONAL)**

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.

**Nature of Ground.:**

The soil material on site varies between clayey-silty sands and clays of low plasticity, respectively classifying as SC-SM and CL. These soils are corrosive. The shale encountered at depth is characterised as either poorly graded gravels or clayey gravels of low plasticity.

(For more details on the soil conditions, please refer to the attached geotechnical investigation report marked as annexure E)

Descriptions of excavations shall be deemed to include all ground conditions classified as "earth" described in the above report and where more difficult character as indicated, these are separately measured.

**Carting away of excavated material.:**

Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or alternatively, from stock piles situated on the building site.

**Carried to Collection**

**Section No. 10**  
**STORMWATER DRAINAGE**  
**Bill No. 1**  
**Earthworks**  
*Tender Bills of Quantities*

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Smithfield Multi-Purpose Indoor Sports Centre  
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Free State

Item No		Quantity	Rate	Amount R	
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**Excavations, Filling , etc.**

The Contractor shall notify the Principal Agent as soon as the excavations are ready to receive foundations and no building work may be started until the Principal Agent has approved the excavations.

Over excavations taken beyond the levels and sizes shown or required to obtain a solid foundation shall be filled by the contractor, at his own expense, with 15MPa concrete.

Should the Contractor consider that any of the excavations are more difficult in nature than excavations in "earth" he shall immediately notify the Quantity Surveyor in writing. Failing such notification the excavations shall be deemed to be in "earth" and shall be measured and valued accordingly.

The Contractor may use any method he chooses to excavate any class of material, but his chosen method of excavations shall not determine the classification of the material excavated.

**Blasting:**

No blasting will be allowed without the written permission of the Principal Agent.

Should blasting be necessary, the Contractor shall take every precaution to protect the Works and persons, animals and property in the vicinity of the Works. The Contractor will be held responsible for any injury or damage caused by any blasting operations and shall make good such damage at his own expense.

**Testing:**

Prices for filling are to include for all necessary density tests in accordance with SANS 1200D.

**Carried to Collection**

**Section No. 10**  
**STORMWATER DRAINAGE**  
**Bill No. 1**  
**Earthworks**  
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Item No		Quantity	Rate	Amount R
	<p><b>Prescribed density tests:</b></p>			
	<p>NOTE: The Contractor is specifically referred to the SANS 1200 clause regarding the number of density tests required on the layer work, filling, etc. The tests as prescribed are deemed to be included in the appropriate rates for the layer work, filling, etc. and will not be paid for separately. The following density tests measured are over and above those normally required by SANS 1200 and is for the use of the Engineer only and will only be paid for if instructed in writing and approved as acceptable by the Engineer.</p>			
	<p><b><u>STORMWATER DRAINAGE</u></b></p>			
	<p><b>Excavate in compacted pickable material not exceeding 2m deep below reduced or filled up ground level and deposit on site where directed.</b></p>			
1	Excavate for surface trenches.	m3	22	
	<p><b>Excavate back from the vertical face of excavations to the extent required for the insertion and removal of formwork and afterwards return, fill in and ram.</b></p>			
	Excavate back from the face of trench excavations exceeding 500mm and not exceeding deep and 300 mm between the structure and the sides to be excavated back.	m2	62	
	<p><b>Sundries</b></p>			
3	Extra over all excavations in compacted pickable material for excavation in soft rock as described.	m3	1	
4	Extra over all excavations in compacted pickable material for excavation in hard rock as described.	m3	1	



9	<p><b>Prescribed density tests on filling</b></p> <p>"Modified AASHTO Density" test</p>	No	2		
<b>Carried to Collection</b>					
<p><b>Section No. 10</b>  <b>STORMWATER DRAINAGE</b>  <b>Bill No. 1</b>  <b>Earthworks</b>  <i>Tender Bills of Quantities</i></p>					
					R

	<p><b>Section No. 10</b></p> <p><b>STORMWATER DRAINAGE</b></p> <p><b>Bill No. 1</b></p> <p><b>Earthworks</b></p> <p><b><u>COLLECTION</u></b></p>				
<b>Page No</b>					
Total Brought Forward from Page No.					
266					
Total Brought Forward from Page No.					
267					
Total Brought Forward from Page No.					
268					
Total Brought Forward from Page No.					
269					
					R

Total Brought Forward from Page No.

Carried Forward to Sectional Summary: 10

Section No. 10  
**STORMWATER DRAINAGE**  
 Bill No. 1  
**Earthworks**  
*Tender Bills of Quantities*

Item No		Quantity	Rate	Amount R
	<b>15MPa/19mm concrete cast against excavated faces</b>			
1	Surface blinding under footings and bases	m3	2	
	<b>25MPa/19mm concrete</b>			
2	Strip footings	m3	2	
3	Bottoms of floor ducts, splayed.	m3	1	

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4	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	No	1	
<p style="text-align: center;"><b>Carried Forward to Sectional Summary: 10</b></p> Section No. 10 <b>STORMWATER DRAINAGE</b> Bill No. 2 <b>Concrete, Formwork and Reinforcement</b> <i>Tender Bills of Quantities</i>				R

Item No		Quantity	Rate	Amount R
1	<b>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar</b>  One brick walls	m2	49	

	<b>Brickwork reinforcement</b>			
2	75mm Wide reinforcement built in horizontally	m	658	
3	150mm Wide reinforcement built in horizontally	m	658	
<p><b>Carried Forward to Sectional Summary: 10</b></p> <p><b>Section No. 10</b></p> <p><b>STORMWATER DRAINAGE</b></p> <p><b>Bill No. 3</b></p> <p><b>Masonry</b></p> <p><i>Tender Bills of Quantities</i></p>				R

Item No		Quantity	Rate	Amount R
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<b>Gratings, covers, etc</b>					
1	300 x 750mm Linrex Ductile or equal and approved Iron dished grating and frame	No	82		
2	40 x 40 x 5mm Mild steel Angle Iron frame	t	0.36		
3	48mm Hold down rods to frame	t	0.08		
<b>Carried Forward to Sectional Summary: 10</b>					
<b>Section No. 10</b>					
<b>STORMWATER DRAINAGE</b>					
<b>Bill No. 4</b>					
<b>Metal Works</b>					
<i>Tender Bills of Quantities</i>					R

Bill No	Section No. 10  STORMWATER DRAINAGE  <u>SECTION SUMMARY - STORMWATER DRAINAGE</u>	Page No		Amount R
1	Earthworks	270		
2	Concrete, Formwork and Reinforcement	271		
3	Masonry	272		
4		273		

Metal Works				
Carried to Final Summary				
Section No. 10 STORMWATER DRAINAGE <i>Tender Bills of Quantities</i>			R	

Item No		Quantity	Rate	Amount R
	<p><b><u>BILL NO.3</u></b></p> <p><b><u>THE FOLLOWING WORK IN EXTERNAL FENCING FENCING</u></b></p>			

1	<p><b>Invisible wall or equal and approved Mesh Fencing, etc.:</b></p> <p>2400mm High hot dipped galvanised steel fencing, comprising of 600mm bitumen coated welded mesh antiburrow underdig extension to be secured to the panel's lower edge integrated angle acc. to the strict recommendations and specifications of the manufacturer; 2400 x 2900mm wide mesh panels of 4mm vertical and 4mm horizontal wire apertures, with 76,2 horizontal x 12,7mm vertical aperture openings; 80 x 80 square-shaped 2400mm high posts with welded post caps, including shear nuts, washers and M8 steel bolts, excavation, risk collapse, backfilling compacted to 93% Mod AASHTO density, etc. All to be fully marine fusion bonded powder coating of approved colour.</p>	m	442		
2	<p>2100mm High hot dipped galvanised steel fencing, comprising of 600mm bitumen coated welded mesh antiburrow underdig extension to be secured to the panel's lower edge integrated angle acc. to the strict recommendations and specifications of the manufacturer; 2100 x 2900mm wide mesh panels of 4mm vertical and 4mm horizontal wire apertures, with 76,2 horizontal x 12,7mm vertical aperture openings; 80 x 80 square-shaped 2400mm high posts with welded post caps, including shear nuts, washers and M8 steel bolts, excavation, risk collapse, backfilling compacted to 93% Mod AASHTO density, etc. All to be fully marine fusion bonded powder coating of approved colour.</p>	m	44		
3	<p>100mm High toughened shark tooth spikes bolted to fencing panel with anti-vandal bolts.</p>	m	486		
	<b>Carried to Collection</b>				R
	<p><b>Section No. 11</b> <b>FENCING RAILING</b> <b>Bill No. 1</b> <b>Fencing Railing</b> <i>Tender Bills of Quantities</i></p>				

Item No		Quantity	Rate	Amount R
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<p>4</p>	<p><b>Invisible or similar and approved mild steel mesh Security Gates including lock, etc. complete:</b></p> <p>Double swing gate, size 1000 x 2100mm high fitted with similar and equal to the fence ant-climb on top structures and ant-burrow at the bottom structures, including hinges, locks, barrel bolts, and all accessories complete as per manufacturer's instructions.</p>	<p>No</p>	<p>1</p>	
<p>5</p>	<p>Single swing pedestrian gate, size 1000 x 2400mm high fitted with similar and equal to the fence ant-climb on top structures and ant-burrow at the bottom structures, including hinges, locks, barrel bolts, and all accessories complete as per manufacturer's instructions.</p>	<p>No</p>	<p>1</p>	
<p>6</p>	<p><b>Invisible or equal and approved mild steel mesh service Vehicular Sliding Gates including ground beam, lock, etc. complete.:</b></p> <p>5000 x 2400mm High gate, fitted with similar and or equal to the fence ant-climb on top structures and antburrow at the bottom structures, including hinges, locks, barrel bolts, and all accessories complete as per manufacturer's instructions.</p>	<p>No</p>	<p>1</p>	<p>R</p>
<p><b>Carried to Collection</b></p>				
<p><b>Section No. 11</b>  <b>FENCING RAILING</b>  <b>Bill No. 1</b>  <b>Fencing Railing</b>  <i>Tender Bills of Quantities</i></p>				

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<p>Section No. 11</p> <p>FENCING RAILING</p> <p>Bill No. 1</p> <p>Fencing Railing</p> <p><u>COLLECTION</u></p> <p>Total Brought Forward from Page No.</p>	<p>Page No</p> <p>275</p> <p>276</p>	<p>Amount R</p>	<p>R</p>
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	<p>Section No. 11                  FENCING RAILING                  Bill No. 1                  Fencing Railing  <i>Tender Bills of Quantities</i></p>			

Item No		Quantity	Rate	Amount R
	<p><u>BILL NO.1</u>   <u>OCCUPATIONAL SAFETY &amp; HEALTH</u>   <u>Part 1 General</u></p>			

1	<p><b>1.1 Preparation and submission of Health and Safety Plan.</b></p> <p>The preparation and submission of the Safety and Health Plan which must be based on the issued Health and Safety Specifications.</p>			SUM
2	<p><b>1.2 Preparation and submission of the Health and Safety File</b></p> <p>The preparation and submission of the Health and Safety File that contains all the required documentation as would be necessary for the proper administration of OHS on site.</p>			SUM
3	<p><b>1.3 OHS Management System</b></p> <p>Monitoring, review and maintenance of Occupational Safety and Health management system as and when required.</p>			SUM
4	<p><b>1.4 The Safety and Health Committee.</b></p> <p>Conduct OHS meetings and inspections during the duration of the contract as below;</p>			
4	<p>a) Health and Safety committee meetings held monthly for the duration of the contract.</p>	No	12.00	
5	<p>b) Site Safety and Health inspection for the workplace (once in every four months) for the duration of the contract.</p>	No	12.00	
				R
	<p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 12</b>  <b>OCCUPATIONAL HEALTH AND SAFETY</b>  <b>Bill No. 1</b>  <b>Occupational Health and Safety</b>  <i>Tender Bills of Quantities</i></p>			

Item No		Quantity	Rate	Amount R
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	<b>1.5 Preparation and submission of COVID19 documentation</b>				
6	The preparation of COVID19 file and inclusion of a COVID19 Plan in it that must be based on the COVID19 Specifications issued.				SUM
7	The preparation and inclusion in a the COVID19 file, COVID19 screening forms.				SUM
8	The preparation and inclusion in a the COVID19 file, COVID19 Risk Assessment, Toolbox Talks and communication sheets.				SUM
9	The preparation and inclusion in a the COVID19 file, COVID19 Induction and policy.				SUM
	<b>1.6 Appointment of Heath and Safety Officer</b>				
10	Full time competent Health and Safety Officer for the entire duration of the contract (per month).	No	12.00		
	<b>1.7 Provision of computer and other resources for the Health and Safety Officer</b>				
11	Provision of computer and other necessary resources for the Health and Safety Officer to be able to perform the required administrative functions and responsibilities.				SUM
	<b>1.7 Training of Health and Safety Representatives</b>				
12	Training of two Health and Safety Representatives to enable proper execution of responsibilities in terms of Section 17 of the Act.	No	2.00		
13	<b>1.8 Medical Check Up</b>				
	Conduct health fitness by a registered medical practitioner at least on yearly basis to ensure their operator/workers are in good health before and during their engagement in the period of contract.				SUM

	<b>Carried to Collection</b>		R	
	<b>Section No. 12</b> <b>OCCUPATIONAL HEALTH AND SAFETY</b> <b>Bill No. 1</b> <b>Occupational Health and Safety</b> <i>Tender Bills of Quantities</i>			

Item No		Quantity	Rate	Amount R
14	<b>1.9 Personal Protective Equipment</b>  Provide, maintain and replace any damage personal protective equipment as per specification to all employees.  <b>1.10 Health and Safety Training</b>  Plan and conduct relevant safety and health training plan as per site requirement.		SUM	
15	Fire Fighting Training	No	2.00	
16	Fall Protection Planner	No	1.00	
17	Scaffold Erectors	No	1.00	
18	Scaffold Inspector	No	1.00	
19	Scaffold Supervisor	No	1.00	
20	Scaffold Team Leader	No	1.00	
21	<b>1.11 Hazards Identification Risk Assessment And Risk Control (HIRARC)</b>  Prepare and undertake Hazards Identification, Risk Assessment and Risk controls (HIRARC) for all construction activities.		SUM	

22	<p><b>1.12 Monthly Report</b></p> <p>Printing/copying, papers, inks, binding or related cost in providing the monthly report within the contract period inclusive of any investigation expertise.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 12</b>  <b>OCCUPATIONAL HEALTH AND SAFETY</b>  <b>Bill No. 1</b>  <b>Occupational Health and Safety</b>  <i>Tender Bills of Quantities</i></p>		SUM	
			R	

Item No		Quantity	Rate	Amount R
23	<p><b>1.13 Notification of Accidents, Dangerous Occurrences, Occupational Diseases</b></p> <p>Provision for Accident / Incident Investigation Report inclusive for the cost to engage if there is any third parties involve (competent person / specialist) to investigate any accident at workplace.</p> <p><b>1.14 General Signage</b></p> <p>Safety signage at workplace to ensure the workers and the public are aware about safety within the contract period.</p> <p>Provide, install and maintain the following approved signage</p>		SUM	
24	Construction Signboard indicatring mandatory PPE to be worn on site.		SUM	
25	Signs indicating what to do and where to report with directional signs		SUM	
26	Emergency exit routes and assembly point.		SUM	





<p>39</p>	<p><b>3.1 Unprotected Sides and Edges</b></p> <p>Supply, install and erect guardrail, barricade and toe board (where required) to exposed edges / openings but not limited to:</p> <ul style="list-style-type: none"> <li>a) Building perimeter openings</li> <li>b) Lift shaft openings</li> <li>c) Floor openings</li> <li>d) Working platform</li> <li>e) Loading platform</li> </ul> <p>Note: Contractor to calculate the length of the opening base on the proposed design of the building.</p>		<p>SUM</p>	
<p>40</p>	<p>Provide, install and maintain temporary hand railings to the stairs use as an access and egress.</p>		<p>SUM</p>	
<p>41</p>	<p>Provision of providing temporary closure by using sufficient thick and strong material for any floor openings where when erecting guardrail / barricade are not suitable.</p>		<p>SUM</p>	
<p>42</p>	<p><b>3.2 Safety nets</b></p> <p>Install and maintain safety net as close as possible to the working level. Should it be on the outside of the structure, the outer edges should be higher that the inner edge. Contractor to calculate the area to be close/cover base on the proposed design of the building.</p>		<p>SUM R</p>	
<p style="text-align: center;"><b>Carried to Collection</b></p> <p><b>Section No. 12</b>  <b>OCCUPATIONAL HEALTH AND SAFETY</b>  <b>Bill No. 1</b>  <b>Occupational Health and Safety</b>  <i>Tender Bills of Quantities</i></p>				

Item No		Quantity	Rate	Amount R
	<p><b>3.3 Individual fall arrest systems</b></p> <p>Fall arrest systems must be provided for every workers working at height above 1.8m. Double lanyards to be equipped on the safety harness.</p>			
43	<p>Provide, anchor /install and maintain individual fall arrest systems that includes :</p> <p>a) Inertia reel systems;</p> <p>b) Safety harness;</p> <p>c) Lanyards; and</p> <p>d) Static lines</p> <p><b>3.4 Safety Signage</b></p> <p>Provide the safety signs at workplace to ensure awareness for workers and public.</p> <p>Provision for the following safety signage but not limited to:</p>		SUM	
44	a) Beware of falling object	No	1.00	
45	b) Use safety harness	No	1.00	
46	c) Use safe access and egress	No	1.00	
47	d) Beware of openings	No	1.00	
48	e) Use rubbish / debris chute	No	1.00	

<b>Carried to Collection</b>			R	
<b>Section No. 12</b> <b>OCCUPATIONAL HEALTH AND SAFETY</b> <b>Bill No. 1</b> <b>Occupational Health and Safety</b> <i>Tender Bills of Quantities</i>				

<b>Section No. 12</b>  <b>OCCUPATIONAL HEALTH AND SAFETY</b>  <b>Bill No. 1</b>  <b>Occupational Health and Safety</b>  <u><b>COLLECTION</b></u>				
	<b>Page No</b>		<b>Amount R</b>	
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Section No. 12 <b>OCCUPATIONAL HEALTH AND SAFETY</b> Bill No. 1 Occupational Health and Safety <i>Tender Bills of Quantities</i>				

Section No	<u>FINAL SUMMARY</u>	Page No	Amount R
1	PRELIMINARIES	27	
2	BUILDINGS	163	
3	ELECTRICAL INSTALLATION	193	
4	MECHANICAL INSTALLATION - HVAC	228	
5	MECHANICAL INSTALLATION - FIRE PROTECTION	243	
6	LANDSCAPING	244	
7	ROADS, PAVINGS, ETC	255	
8	BULK WATER SUPPLY	260	
9	SOIL DRAINAGE	265	

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10	STORMWATER DRAINAGE	274			
11	FENCING RAILING	277			
12	OCCUPATIONAL HEALTH AND SAFETY	285			
	<b>Sub Total</b>				
	Provide the amount of R 2,646,816.75 (Two Million, Six Hundred and Forty Six Thousand, Eight Hundred and Sixteen Rands, Seventy Five Cents) for CPAP as indicated in the Preliminaries Bill to be used in terms of the Principal Building Agreement.			R	2,646,816 75
	Sub-total		Item	R	
	Allow a contingency amount of R1 500 000.00 to be used as directed by the Principal Agent		Item	R	1,500,000 00
	Sub Total			R	
	<b>Tender Bills of Quantities</b>				

<b>Section No</b>	<b>FINAL SUMMARY</b>	<b>Page No</b>		<b>Amount R</b>
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VALUE ADDED TAX

R

*Tender Bills of Quantities*

**Carried to Form of Tender**

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## **SECTION 11: SCOPE OF WORKS**

### **1. SCOPE OF WORKS**

#### **1.1 EMPLOYERS OBJECTIVES**

The employer's objective is to construct new **Multi-Purpose Indoor Sports Centre in Smithfield**. The work consists of building works, electrical installations, Mechanical Installations comprising of Main Building (Entrance and Services), Services Building (Guard House), Gym, Covered Parking, Court, Courtside Services, Pump Room, Offices.

#### **1.2 NATURE OF THE BUILDING AND GENERAL SCOPE**

##### **1.2.1 General**

1.2.1.1 The project consists of the construction of buildings and includes electrical installations, mechanical installations and external works.

1.2.1.2 Refer to the site plan which is considered part of this tender document for general layout.

1.2.1.3 The project trades inclusive of building works trades (architectural, civil and structural aspects), electrical installations, mechanical installations, external works inclusive of landscaping, walkways, roads, parking, water supply, soil drainage, storm drainage, fence and provisional sums for furniture, tanks etc.

##### **1.2.2 Suspended Ceilings.**

Suspended plasterboard ceilings will be installed in the dining hall and all service where possible will be reticulated via the suspended ceilings. The electrical sub-contractor shall co-ordinate his installation prior to installation to ensure that clashes do not occur with other services in the ceiling voids.

##### **1.2.3 Other Services**

Fire, ventilation and air-conditioning services will be installed in the building and the electrical and mechanical subcontractor shall co-ordinate his installation prior to installation to ensure that clashes do not occur.

#### **1.3 LOCATION OF THE WORKS**

The site is located at:

ERF: 1117, Mofulatshepe Township, Extension 03, Smithfield



**DESCRIPTION** CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SMITHFIELD

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Latitude (North or South): -30" 222 22'

Longitude (East or West): 26" 534 00

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### **Temporary works**

All the works will be executed within the boundary of the site.

### **1.4 Drawings**

Tender drawings are attached in the document



## **SCOPE OF WORKS**

### **C 3.2: Drawings**

**(Any clarity on the Bill of Quantities details can be addressed as per query process)**

### **C4 SITE INFORMATION**

#### **C4: Site Information**



**DESCRIPTION: CONSTRUCTION OF PROPOSED NEW MULTI-PURPOSE INDOOR SPORTS CENTRE IN SM**

**Traffic vs Access**

The main access to the site is to be done from the corner of Oettle- and Butler Street (primary and secondary road intersection) to the site’s north-western boundary. This is to be the main access for all vehicular traffic (staff, general public, services and sports teams – i.e., larger vehicles). This entryway also provides for the main public pedestrian entry. The entry possesses a guard house for security- and access control. Using Oettle Street as the main street of entry facilitates the inclusion of (x2) taxi drop-off bays.

LEGEND:	
<span style="color: red;">●</span>	Site – ERF 4769
<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Mofulatshepe township establishment
<span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span>	Remainder of Smithfield area
<span style="color: orange;">← →</span>	Major arterial road

**LOCALITY (MICRO LOCATION)**





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**ADDITIONAL RETURNABLE DOCUMENTS TENDERERS NOTE:**

**The Additional Returnable Schedules for tender evaluation purposes must be attached in this section of the Bid document. These documents are as follows:**

- a) CIDB registration certificate in the grading designation stipulated in clause 2.1 above,
- b) A valid South African Revenue Services Tax Pin.
- c) Certified copy of VAT Registration Certificate (if VAT number is not included in tax clearance certificate),
- d) Valid Proof of Registration on the National Treasury's Central Supplier's Database must be accompanying this bid
- e) Certified copy of a Workmen's Compensation Certificate, Act 4 of 2002,
- f) Certified copy of Unemployment Insurance Certificate, Act 4 of 2002,
- g) Certified copy of Certificate of Incorporation (if tenderer is a Company),
- h) Certified copy of Founding Statement (if tenderer is a Closed Corporation),
- i) Certified copy of Partnership Agreement (if tenderer is a Partnership),
- j) Certified copy of Identity Document (if tenderer is a One-man concern),
- k) Joint Venture Agreement (if tenderer is a Joint Venture),
- l) Competent Construction Manager (CV and SACPCMP Registration) as per Construction regulations 8 (1)
- m) Curriculum Vitae of all supervisory as per Construction Regulations 8 (7)
- n) OHS Plan (Based on Site Specifications)