



JOHANNESBURG DEVELOPMENT AGENCY (JDA)

EASTERN GATEWAY PRECINCT - OVAL PARK

CONTRACT No.: JDA 17/19.1.1.A.6000555.1

<p>ISSUED BY:</p> <p>JOHANNESBURG DEVELOPMENT AGENCY The Bus Factory 3 President Street (Helen Joseph Street) NEWTOWN 2000</p> <p>Contact Name: Nombuso Mtsweni Telephone: 011 688 7830 Email: NNxumalo@jda.org.za</p> 	<p>PREPARED BY:</p> <p>KOOR DINDAR MOTHEI Oakhurst Office Park 11 St. Andrews Road Parktown 2193</p> <p>Contact Name: Ismail Agjee Telephone: 011 689 5400 Email: ismail@kdm.co.za</p> 
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NAME OF TENDERER:

CIDB REGISTRATION NUMBER:

CSD SUPPLIER NUMBER:

COMPANY REGISTRATION NUMBER:

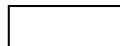
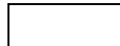
TAX VERIFICATION PIN:

NB: FOR A TOTAL PRICE INCLUSIVE OF VALUE ADDED TAX, PLEASE REFER TO PART C1 (FORM OF OFFER AND ACCEPTANCE). PAGE 71

This tender close at 12h00 on 11 December 2020 at the offices of the Johannesburg Development Agency “The Bus Factory”, 3 Helen Joseph Street (formerly President Street), Newtown, Johannesburg.

NO LATE SUBMISSIONS WILL BE CONSIDERED

The Johannesburg Development Agency reserves the right to cancel/ not award this tender.



PROCUREMENT DOCUMENT FOR BUILDING CONSTRUCTION

GENERAL CONDITIONS OF CONTRACT (GCC) FOR CONSTRUCTION WORKS (2015) (Third Edition)

PLEASE NOTE: TENDERS MUST BE SUBMITTED ON THE TENDER DOCUMENTATION ISSUED. TENDER DOCUMENTATION MUST NOT BE REPRODUCED OR REARRANGED. ANY ADDITIONAL INFORMATION MUST BE SUBMITTED AS A SEPARATE ATTACHMENT TO THE TENDER DOCUMENT.

ALL PAGES OF THE SUBMISSION INCLUDING ATTACHMENTS MUST BE INITIALED AND NUMBERED.

TO ALL OUR STAKEHOLDERS

RE: THE CHANNELS OF REPORTING FRAUDULENT AND CORRUPT ACTIVITIES

The City of Johannesburg has a **zero-tolerance approach to Fraud, Theft, Corruption, Maladministration, and Collusion** by suppliers with employees. To reinforce this commitment, more channels have been added to report any Fraudulent and Corrupt activities.

Instances of corporate fraud and misconduct remain a constant threat to service delivery. The City of Johannesburg took a resolution to adopt strategic interventions aimed at combatting fraud and corruption. The City took a decision to centralize the reporting of fraudulent and corrupt activities through the establishment of an independent fraud hotline which is managed by independent service providers

All people doing business with the Johannesburg Development Agency are encouraged to report any corrupt or illegal practice.

Anyone can report fraudulent and corrupt activities through one of the following channels.

- Toll free number.....0800 002 587
- Toll free Fax.....0800 007 788
- SMS (charged @ R1.50).....32840
- E-Mail address:.....anticorruption@tip-offs.com
- Website:.....www.tip-off.com
- Free post:.....Free Post, KNZ 138, Umhlanga, 4320



LET'S JOIN HANDS TO TAKE UP THE FIGHT AGAINST FRAUD AND CORRUPTION IN OUR SOCIETY.

SUPPLIERS DATABASE REGISTRATION

National Treasury launched the National Central Supplier Database (NCSD) with effect from 1 September 2015.

This will enable prospective suppliers to register their companies on the following website www.csd.gov.za

Transitional Period (1 September 2015 to 30 June 2016)

1. During the transitional period suppliers are requested to register on the website where all their essential information such as Tax Clearance Certificates, VAT, Company Registration Numbers and CIPC business status will be verified.
2. When conducting business with the JDA, you will be requested to provide us with the following:
 - Supplier Number and;
 - Supplier Registration Security Code so we can print your real-time information;
 - Banking details with bank Stamp and;
 - Certified BBBEE Certificate.

Once a supplier has registered on NCSD, it will no longer be a requirement to provide the JDA with an Original Tax Clearance Certificate or any other registration documents.

After Transitional Period 1 July 2016

Effective 1 July 2016, the JDA will only award business to suppliers who are registered on NCSD and suppliers will no longer be required to provide information as stipulated above.

For more information on registration, please:

Ms. Kgadi Mphela on 011 688 7851

NOTES TO TENDERERS:

1. The Tender Document available for download contains the following:
 - The Full Tender Document including the Bill of Quantities
 - The returnables
 - Appendices

2. Submission of tender – The following needs to be submitted in a neatly bound file (each and every page of the submission, including attachments, must be initialled and numbered by the tenderer) and in the following order:
 - Cover page
 - All returnables, and
 - Supporting documentation including the priced Bill of Quantities
 - Completed priced Bill of Quantities in excel format (on CD)The above will form part of the Contract document.

The tenderer is to submit the original plus one (1) hard copy of the entire tender submission as detailed, plus electronic copy of priced BOQ in excel format. The hard copy written BOQ will however take precedence over the electronic copy.

PLEASE NOTE: TENDERS MUST BE SUBMITTED ON THE TENDER DOCUMENTATION ISSUED. TENDER DOCUMENTATION MUST NOT BE REPRODUCED OR REARRANGED. ANY ADDITIONAL INFORMATION MUST BE SUBMITTED AS A SEPARATE ATTACHMENT TO THE TENDER DOCUMENT.

JOHANNESBURG DEVELOPMENT AGENCY

EASTERN GATEWAY PRECINCT - OVAL PARK

CONTRACT No.: JDA 17/19.1.1.A.6000555.1

Contents

Number Heading

THE TENDER

Part T1: Tendering Procedures

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T1.2	Tender Data	(Pink)

Part T2: Returnable Documents

T2.1	List of Returnable Schedules and Documents	(Yellow)
T2.2	Returnable Schedules and Documents	(Yellow)

THE CONTRACT

Part C1: Agreement and Contract Data

C1.1	Form of Offer and Acceptance	(Yellow)
C1.2	Contract Data	(Yellow)
C1.3	Construction Guarantee	(White)
C1.4	Occupational Health and Safety Agreement	(White)
C1.5	Agreement in terms of Section 37 (2) of the Occupational Health and Safety Act No 85 of 1993	(White)

Part C2: Pricing Data

C2.1	Pricing Instructions	(White)
C2.2	Bills of Quantities	(White)

Part C3: Scope of Work

C3	Scope of Work	(Blue)
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Part C4: Site Information

C4	Site Information	(Green)
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TENDER DOCUMENT CHECKLIST

Tenderers must complete this document checklist to ensure that all information is completed in the Tender Document.

ITEMS

CHECKED

Contractor Project Manager

1. Correct Tender offer carried forward to the Cover Page and also the Form of Offer and Acceptance in Part C1.1	<input type="checkbox"/>	<input type="checkbox"/>
2. Tenderer's signature on the offer	<input type="checkbox"/>	<input type="checkbox"/>
3. Bill of Quantities	<input type="checkbox"/>	<input type="checkbox"/>
i Hard copy of BOQ completed in pen	<input type="checkbox"/>	<input type="checkbox"/>
ii Initialled on each page	<input type="checkbox"/>	<input type="checkbox"/>
iii Corrections crossed out and initialled	<input type="checkbox"/>	<input type="checkbox"/>
iv Electronic BOQ on CD	<input type="checkbox"/>	<input type="checkbox"/>
4. Returnable Documents and Schedules	<input type="checkbox"/>	<input type="checkbox"/>
i Authority to Sign Tender	<input type="checkbox"/>	<input type="checkbox"/>
ii Declaration of Interest	<input type="checkbox"/>	<input type="checkbox"/>
iii Record of Addenda to Tender Documents	<input type="checkbox"/>	<input type="checkbox"/>
iv Banking Details	<input type="checkbox"/>	<input type="checkbox"/>
v Proposed Amendments and Qualifications (if any)	<input type="checkbox"/>	<input type="checkbox"/>
vi Certificate of Authority for Joint Venture and Joint Venture Agreement (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>
vii MBD 5: Declaration for Procurement above R10 million	<input type="checkbox"/>	<input type="checkbox"/>
viii MBD 8: Declaration of Bidder's Past Supply Chain Management Practices	<input type="checkbox"/>	<input type="checkbox"/>
ix MBD 9: Certificate of Independent Bid Determination	<input type="checkbox"/>	<input type="checkbox"/>
x MBD 6.2 Declaration Certificate for Local Production and Content	<input type="checkbox"/>	<input type="checkbox"/>
xi Particulars of all Contracts awarded by an Organ of State during the last 5 years	<input type="checkbox"/>	<input type="checkbox"/>
xii Fulfilment of the Construction Regulations	<input type="checkbox"/>	<input type="checkbox"/>
xiii Questionnaire on Tenderer's Procedures with respect to OHSA and Construction Regulations	<input type="checkbox"/>	<input type="checkbox"/>
xiv Business Declaration	<input type="checkbox"/>	<input type="checkbox"/>
xv A copy of a valid Tax Compliance Status letter. No tender will be awarded to a bidder whose tax matters are not in order with the South African Revenue Service (SARS) at the time of award.	<input type="checkbox"/>	<input type="checkbox"/>
xvi Declaration on State of Municipal Accounts and copy of current Municipal Account in the name of the Tenderer or alternatively in the names of the Directors/Partners of the tendering entity	<input type="checkbox"/>	<input type="checkbox"/>
xvii Letter of Intent from a Financial Institution to provide a Construction Guarantee in accordance with the GCC form (Refer C1.3)	<input type="checkbox"/>	<input type="checkbox"/>
xviii Proof of CIDB Grading	<input type="checkbox"/>	<input type="checkbox"/>
xix A valid originally or certified copy of the B-BBEE status level	<input type="checkbox"/>	<input type="checkbox"/>

	verification certificate, substantiating the B-BBEE rating or an EME must submit a sworn affidavit,	<input type="checkbox"/>	<input type="checkbox"/>
xx	Schedule of Recently Completed Contracts	<input type="checkbox"/>	<input type="checkbox"/>
xxi	Schedule of Current Contracts	<input type="checkbox"/>	<input type="checkbox"/>
xxii	Schedule of Construction Plant, Equipment and labour	<input type="checkbox"/>	<input type="checkbox"/>
xxiii	Schedule of Proposed Subcontractors	<input type="checkbox"/>	<input type="checkbox"/>
xxiv	Schedule of Proposed Key Personnel and detailed Curricula Vitae of all Key Personnel	<input type="checkbox"/>	<input type="checkbox"/>
xxv	Estimated Monthly Expenditure	<input type="checkbox"/>	<input type="checkbox"/>
xxvi	Methodology Statement	<input type="checkbox"/>	<input type="checkbox"/>
xxvii	Preliminary Construction Programme	<input type="checkbox"/>	<input type="checkbox"/>
xxviii	Labour, Plant and Equipment Histograms	<input type="checkbox"/>	<input type="checkbox"/>
xxix	Audited Financial Statements for past 3 years	<input type="checkbox"/>	<input type="checkbox"/>
xxx	Bank Rating	<input type="checkbox"/>	<input type="checkbox"/>
xxxi	SMME Plan	<input type="checkbox"/>	<input type="checkbox"/>
xxxii	COIDA Letter of Good Standing	<input type="checkbox"/>	<input type="checkbox"/>

PART T1: TENDERING PROCEDURES**T1.1:Tender Notice and Invitation to Tender****EASTERN GATEWAY PRECINCT - OVAL PARK****CONTRACT No: JDA 17/19.1.1.A.6000555.1**

The Johannesburg Development Agency invites Bidders to submit bids for the construction of the Eastern Gateway Precinct – Oval Park. The scope of work comprises the following: civil works, 5-a-side soccer courts, kids play area, outdoor gym, community garden and minor refurbishment work and electrical work to existing buildings.

It is a condition of this tender that the successful contractor shall be required to sub-contract a minimum value of work to local SMME's, equal to 30% of the works.

It is estimated that the bidders should have a CIDB contractor grading designation of a minimum 6CE (or higher).

Joint ventures are eligible to submit tenders provided that they satisfy criteria stated in the tender data.

Documents may be downloaded from the JDA's website as follows: www.jda.org.za as well as on www.etenders.gov.za from 11 November 2020.

SCM Queries relating to procurement matters may be addressed to Yandisa Dinga at e-mail: ydinga@jda.org.za; and / or Claudia Mahlaule at e-mail: CMahlaule@jda.org.za;

Technical queries or queries relating to the project may be addressed to Ms Nombuso Mtsweni at e-mail: NNxumalo@jda.org.za.

A compulsory tender briefing session with representatives of the Employer will take place at the site, Bertha Solomon Recreation Centre, 45 Morduant Street, Jeppestown, Johannesburg (GPS Co-Ordinates: 26°12'17.26"S, 28° 4'5.12"E), on Thursday 19 November 2020 starting at 10h00. **Tenderers are to note that strict COVID-19 protocols will be adhered to. A "No Mask, No Entry" policy will be strictly enforced at the entrance to the site. Tenderers are to also note that only one representative per company will be allowed at the meeting.**

The closing time for receipt of tenders is 12h00 on 11 December 2020. Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted.

Tenders must only be submitted on the tender documentation that is downloaded from the stipulated websites. The retyping of the tender document is not permitted.

The physical address for the delivery of tender documents is Johannesburg Development Agency, Ground Floor Reception Area, The Bus Factory, 3 Helen Joseph Street (formerly President Street), Newtown 2000

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

The JDA's selection of qualifying tenders will be at the JDA's sole discretion and will be final. The JDA does not bind itself to accept any particular tender. Correspondence will be entered into with the successful tenderer.

"WE ENCOURAGE ALL PEOPLE DOING BUSINESS WITH US TO REPORT ANY CORRUPT OR ILLEGAL PRACTICE, USING THE ANTI-FRAUD HOTLINE NUMBER: 0800 002 587"

PART T1: TENDERING PROCEDURES**T1.2 Tender Data**

The Conditions of Tender are the Standard Conditions of Tender as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement, (July 2015) as published in Government Gazette No 38960, Board Notice 136 of 2015 of 10 July 2015. (See www.cidb.org.za).

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

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

CLAUSE NUMBER	CLAUSE HEADING	DATA / WORDING
F.1.1	The Employer	Johannesburg Development Agency P. O. BOX 61877 MARSHALLTOWN, 2107
F.1.2	The Tender	PART T1: TENDERING PROCEDURES T1.1 Tender Notice and Invitation to Tender T1.2 Tender Data PART T2: RETURNABLE DOCUMENTS T2.1 List of Returnable Documents T2.2 Returnable Schedules
	The Contract	PART C1: AGREEMENTS AND CONTRACT DATA C1.1 Form of Offer and Acceptance C1.2 Contract Data C1.3 Construction Guarantee C1.4 Occupational Health and Safety Agreement
		PART C2: PRICING DATA C2.1 Pricing Instructions C2.2 Bill of Quantities
		PART C3: SCOPE OF WORK
		PART C4: SITE INFORMATION
F.1.4	Employer's Agent	Name: Badat Developments Address: 39A 1 st Avenue Melville, 2092 Tel: 011 482 1405 Fax: 086 601 5685 E-mail: agmat@badatdev.co.za
F.2.1	Eligibility	Only those tenderers who are registered with the CIDB or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, are eligible to have their tenders evaluated. Joint ventures are eligible to submit tenders provided that:

		<ol style="list-style-type: none"> every member of the joint venture is registered with the CIDB; the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for an 6CE (or higher).
F.2.1	Eligibility	Only those tenderers who have in their employ management and supervisory staff satisfying the requirements of the scope of work for labour intensive competencies for supervisory and management staff are eligible to submit tenders.
F.2.7	Clarification Meeting	<p>A compulsory Tender Clarification Meeting with representatives of the Employer will take place on site at</p> <p>Bertha Solomon Recreation Centre, 45 Morduant Street, Jeppestown, Johannesburg (GPS Co-Ordinates: 26°12'17.26"S, 28° 4'5.12"E), on Thursday 19 November 2020 starting at 10h00.</p> <p>Tenderers must sign the attendance list in the name of the tendering entity. ADDENDA WILL BE ISSUED TO AND TENDERS WILL BE RECEIVED ONLY FROM THOSE TENDERING ENTITIES APPEARING ON THE ATTENDANCE REGISTER.</p>
F.2.12	Alternative tender offers	No alternative tender offers will be considered
F.2.13.3	Number of copies of tender offers to be submitted to the Employer	Parts of each tender offer communicated on paper shall be submitted as an original, plus one (1) copy.
F.2.13.5 F.2.15.1	Sealing and Delivery of tender offers	<p>The Employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p>Location of tender box: Reception Desk of the Johannesburg Development Agency</p> <p>Physical address: The Bus Factory 3 Helen Joseph Street (formerly President Street) NEWTOWN JOHANNESBURG</p> <p>Identification details: JDA 17/19.1.1.A.6000555.1 EASTERN GATEWAY PRECINCT - OVAL PARK Closing Date: 11 December 2020 Time: 12h00</p>
F.2.13.9	Telephonic	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will NOT be accepted.
F.2.15	Closing time of tender offers	The closing time for submission of tender offers is 12h00 on 11 December 2020 .
F.2.16	Tender offer validity	The tender offer validity period is 120 days
F.2.20	Letter of Intent	The tenderer is required to submit with his tender a letter of intent from an approved financial institution undertaking to provide the Construction Guarantee in the format included in Part C1.3 of this procurement document.

F.2.23	Certificates	<p>The tenderer is required to submit with his tender:</p> <ol style="list-style-type: none"> a) A copy of a valid Tax Compliance Status letter. No tender will be awarded to a bidder whose tax matters are not in order with the South African Revenue Service (SARS) at the time of award. b) Tenderers must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating. Certificates issued by either verification agencies accredited by the South African Accreditation System (SANAS) or by registered auditors approved by the Independent Regulatory Board for Auditors (IRBA) are acceptable. Copies must bear an original certification stamp. Failure to submit a B-BBEE status level certificate will result in the bidder scoring 0 points for B-BBEE". c) An EME must submit a sworn affidavit confirming the following: <ul style="list-style-type: none"> • Annual Turnover Revenue of R10 million or less; and • Level of Black ownership • Any misrepresentation in terms of the above constitutes a criminal offence as set out in the B-BBEE Act as amended. d) Documents and Schedules listed in Part T2.
F.3.4	Opening of tender submissions	<p>Tenders will be opened immediately after the closing time at 12h00 on 11 December 2020.</p>

<p>F.3.11.3</p>	<p>Evaluation of Tender Offers</p>	<p>The procedure for the evaluation of responsive tenders is Method 2 (Price and Preferences) having completed a technical evaluation.</p> <p>The Preference Point System assigns a score to each tenderer based on the tender price and on the tenderer's B-BBEE status. These scores are combined to determine an overall score for the tender. The tenderer with the highest score will be considered for acceptance.</p> <p>The Preference Point System will be applied as follows.</p> <p>For tenders below R50 million</p> <p>80 points are assigned to price</p> <p>Up to 20 points are assigned to B-BBEE status</p> <p>Points scored will be rounded off to the nearest 2 decimal places.</p>
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Technical Evaluation	KEY RETURNABLE DOCUMENTS (Total 50 points)				
		Total Points	Criteria	Description of criteria	Points
(A1) SMME Plan	50	<p>Detailed SMME Plan (Project Specific) concentrating on the following:</p> <p>Detailed approach and methodology on dealing with SMME's</p> <ol style="list-style-type: none"> 1. Quality control and reporting process and procedures. 2. Clear organisational structure for managing SMMEs. 3. Skills transfer 4. Detailed methodology of how contracts, payments and financial assistance to SMMEs will be managed 	Points will be allocated as per the criteria	<p>All items addressed: 30</p> <p>3-4 items addressed: 15</p> <p>1-2 items addressed: 5</p>	
		<p>A comprehensive list of all bill items which are to be allocated to SMME's equivalent to 30% of the Offer Price. Tenderers are to demonstrate the list of items allocated to SMME's by highlighting the SMME rates in yellow on the excel version of the BOQ. Failure to achieve a minimum of 30% will result in zero points.</p>		<p>Points will be allocated as per the criteria</p>	<p>SMME bill items highlighted in yellow on the excel version of the BOQ and achieving the 30% target 20</p> <p>Failure to highlight the SMME items in yellow on the excel version of the BOQ and not achieving the 30% target 0</p>

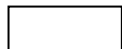
COMPANY PREVIOUS EXPERIENCE (Total 100 points)

	Total Points	Criteria	Description of criteria	Points
(B) Company Experience and Track record on civil works projects, of a similar nature above R10 million. ACCOMPANIED BY REFERENCE LETTERS	100	Five (5) or more Projects competed	Points will only be allocated for major civil works projects completed in the past five years, ACCOMPANIED BY CORRESPONDING REFERENCE LETETRS	100
		Three (3) – Four (4) Projects completed		50
		One (1) – Two (2) Project completed		25

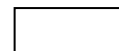
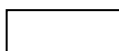
CAPABILITY OF PROPOSED TEAM (Total 130 points)

	Total Points	Criteria	Description of criteria	Points
(C) Experience of proposed key personnel. (Copies of qualifications are required for Contracts Manager, Site Agent, Site Engineer and OHS officer)	130	Contracts Manager: a minimum of a National Diploma and 10 years' experience as Contracts Manager in major civil works projects and registered as a Professional Construction Manager (Pr CM/CPM) with the SACPCMP	Points will only be allocated for experience on civil projects of the proposed key person.	50
		Site Agent: Site Agent with minimum 10 years of experience as a Site Agent on major civil works projects with minimum qualification of a BTech in the Built Environment		20
		General Foreman: General Foreman with minimum 8 years of experience as a General Foreman on major civil works projects with minimum qualification of a National Diploma.		20
		SMME Supervisor with minimum 10 years of experience in construction supervisory roles in civil projects		20
		OHS officer: 5 years' experience as construction health and safety officer and has experience in major civil works projects. Registered with SACPCMP as Construction Health and Safety Agent or equivalent		20

Tenderers will be required to achieve a minimum score of 196 points (70%) in the technical evaluation out of a possible 280 points in the technical evaluation in order to be considered further in the evaluation process.



<p>Compliance / Disqualification Criteria</p>	<p>BIDDERS WILL BE DISQUALIFIED FOR:</p> <ul style="list-style-type: none"> • FAILURE TO COMPLETE AND SIGN THE OFFER PAGE; • FAILURE TO COMPLETE AND SUBMIT A PRICED BILL OF QUANTITIES IN FULL; • FAILURE TO DULY COMPLETE FORM A3 (WHERE REQUIRED) THAT INCLUDES FOR ANY ADDENDA THAT MAY HAVE BEEN ISSUED WHERE SUCH ADDENDA HAS A MATERIAL EFFECT ON THE PRICING OF THE TENDER; • FAILURE TO DULY COMPLETE AND SIGN FORM A17 (MBD6.2) INCLUDING ANNEXURES C, D, AND E; • FAILURE TO BE REGISTERED AND ACTIVE WITH CIDB ON THE RELEVANT GRADING; • FAILURE TO ATTEND THE COMPULSORY SITE BRIEFING SESSION; • COMPLETING TENDER DOCUMENT IN PENCIL; • IN THE CASE OF A BIDDER WHO DURING THE LAST FIVE YEARS HAS BEEN TERMINATED ON PREVIOUS CONTRACTS WITH THE JDA 																				
<p>Price and Preference</p>	<p>Having completed a technical evaluation, the procedure for the evaluation of technically qualifying tenders is Method 2 (Price and Preferences).</p> <p>The Preference Point System assigns a score to each tenderer based on the tender price and on the tenderer's B-BBEE status. These scores are combined to determine an overall score for the tender. The tenderer with the highest score will be considered for acceptance.</p> <p>The Preference Point System will be applied as follows:</p> <p>For tenders up to R50 million 80 points are assigned to price Up to 20 points are assigned to B-BBEE status per the table below Points scored will be rounded off to the nearest 2 decimal places.</p> <p>FORMULA FOR SCORING TENDER PRICE</p> <p>The following formula will be used to calculate the points for price.</p> $P_s = X \left[1 - \frac{(P_t - P_{min})}{P_{min}} \right]$ <p>Where</p> <p>P_s = Points scored for comparative price of tender under consideration P_t = Comparative price of tender under consideration P_{min} = Comparative price of lowest acceptable tender X = Points assigned to price</p> <p>POINTS AWARDED FOR B-BBEE STATUS LEVEL</p> <p>Points will be awarded for empowerment (BBBEE), in accordance with the Preferential Procurement Regulations 2017 published in Government Gazette No. 40553 dated 20 January 2017. The table overleaf is applicable in this regard:</p> <p>The following table is applicable.</p> <table border="1" data-bbox="454 1563 1074 2000"> <thead> <tr> <th>B-BBEE Status Level Of Contributor</th> <th>Number of Points Tenders up to R50 million</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>20</td> </tr> <tr> <td>2</td> <td>18</td> </tr> <tr> <td>3</td> <td>14</td> </tr> <tr> <td>4</td> <td>12</td> </tr> <tr> <td>5</td> <td>8</td> </tr> <tr> <td>6</td> <td>6</td> </tr> <tr> <td>7</td> <td>4</td> </tr> <tr> <td>8</td> <td>2</td> </tr> <tr> <td>Non-Compliant contributor</td> <td>0</td> </tr> </tbody> </table>	B-BBEE Status Level Of Contributor	Number of Points Tenders up to R50 million	1	20	2	18	3	14	4	12	5	8	6	6	7	4	8	2	Non-Compliant contributor	0
B-BBEE Status Level Of Contributor	Number of Points Tenders up to R50 million																				
1	20																				
2	18																				
3	14																				
4	12																				
5	8																				
6	6																				
7	4																				
8	2																				
Non-Compliant contributor	0																				



		<p>Notes:</p> <ol style="list-style-type: none"> 1. "B-BBEE status level of contributor" means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act (Act No.53 of 2003). 2. Tenderers must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating. Certificates issued by either verification agencies accredited by the South African Accreditation System (SANAS) or by registered auditors approved by the Independent Regulatory Board for Auditors (IRBA) are acceptable. Copies must bear an original certification stamp. FAILURE TO SUBMIT A B-BBEE STATUS LEVEL CERTIFICATE WILL RESULT IN THE BIDDER SCORING 0 POINTS FOR B-BBEE". 3. An EME must submit a sworn affidavit confirming the following: <ul style="list-style-type: none"> · Annual Turnover Revenue of R10 million or less; and · Level of Black ownership · Any misrepresentation in terms of the above constitutes a criminal offence as set out in the B-BBEE Act as amended. Bidders with annual total revenue of R5 million or less qualify as Exempted and must submit a certificate issued by a registered auditor, accounting officer or an accredited verification agency. The submission of such certificates must comply with the requirements of instructions and guidelines issued by the National Treasury and be in accordance with notices published by the Department of Trade and Industry in the Government Gazette. 4. A trust, consortium or joint venture will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate. 5. A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate tender. 6. A person will not be awarded points for B-BBEE status level if it is indicated in the tender documents that such a tenderer intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a tenderer qualifies for. 7. A person awarded a contract will not be permitted to sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned. <p>TOTAL PREFERENCE POINTS The total preference points for a tender are calculated with the formula $PP = P_s + P_{bee}$ where PP is the total number of preference points scored by the tenderer P_s is the points scored for the comparative price of the tenderer, and P_{bee} is the number of points awarded to the tenderer based on his certified B-BBEE status level</p>
	<p>Risk Tolerance</p>	<p>RISK TOLERANCE FRAMEWORK The JDA has adopted a Risk Tolerance Framework (RTF) which enjoins the JDA to consider its risk exposure to contractors/Service Providers in terms of the number of contracts awarded to a single Contractor/service provider or the total value of contracts awarded to a single contractor/service provider in a particular year. In terms of the Risk Tolerance Framework, the JDA determine the risk exposure as excessive in instances where the value of the contracts is:</p> <ol style="list-style-type: none"> 1) The greater of R80 million or four contracts/ projects in the current financial year or 2) The greater of R120 million or six contracts/projects over two financial years (current year and previous financial year). <p>A risk analysis shall be undertaken on the bidder with the highest number of points obtained, to determine whether the tenderer does not exceed the JDA's risk framework criteria as stated above, in other words whether it falls within the ambit of the Risk Tolerance Framework as acceptable.</p>

		JDA reserves the right to award a contract to a bidder who has exceeded the threshold as stated above.
		Shortlisted bidders may be requested to attend interviews should there be any need for clarity. Unsuccessful bidders will have the opportunity to query the award or decision within 14 days from the day of notification. Bidders are to note that JDA does not bind itself to accept the lowest priced bid.
	Conditions of contract award	<p>Contracts will only be awarded if:</p> <ul style="list-style-type: none"> a) A copy of a valid Tax Compliance Status letter. No tender will be awarded to a bidder whose tax matters are not in order with the South African Revenue Service (SARS) at the time of award. b) the tenderer submits a letter of intent from an approved financial institution undertaking to provide the Construction Guarantee in the format included in Part C1.3 of this procurement document; c) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation; d) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; e) the tenderer has not: <ul style="list-style-type: none"> i) abused the Employer’s Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect; f) the tenderer has completed the Declaration of Interest and there are no conflicts of interest which may impact on the tenderer’s ability to perform the contract in the best interests of the employer or potentially compromise the tender process. g) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer; h) the employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2014, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely. i) The tendering entity or the directors/partners of the tendering entity are in good standing with the local authority/municipality. j) No tender will be awarded to a bidder not registered on the National Treasury Central Supplier Database (CSD) k) Contracts Manager & OHS officer must be registered with SACPCMP at the time of award l) No tender will be awarded to a bidder who does not have a valid COIDA Letter of Good Standing
F.3.18	Number of Paper Copies	The number of paper copies of the signed contract to be provided by the employer is 1 (one).

T2.1 LIST OF RETURNABLE DOCUMENTS

T2.1.1 Returnable Schedules required

The tenderer must complete the following returnable schedules

- Form A1:** Authority to sign Tender
- Form A2:** Declaration of Interest
- Form A3:** Record of Addenda to Tender Documents
- Form A4:** Banking Details
- Form A5:** Proposed Amendments and Qualifications (if any)
- Form A6:** Certificate of Authority for Joint Venture and Joint Venture Agreement (if applicable)
- Form A7:** MBD9 Certificate of Independent Bid Determination
- Form A8:** Particulars of any contracts awarded by an organ of state during the last 5 years
- Form A9:** Fulfilment of the Construction Regulations
- Form A10:** Questionnaire on tenderer's procedures with respect to OHSA and Construction Regulations
- Form A11:** Business Declaration
- Form A12:** A copy of a valid Tax Compliance Status letter
- Form A13:** Declaration on State of Municipal Accounts and copy of current Municipal Account in the name of the Tenderer or alternatively in the names of the Directors/Partners of the tendering entity
- Form A14:** Letter of Intent from a Financial Institution to provide a Construction Guarantee in accordance with the GCC pro-forma for a project up to 10% of the tender amount (refer C1.3)
- Form A15:** MBD5 Declaration for Procurement above R10 million (Vat Included)
- Form A16:** MBD8 Declaration of Bidders Past Supply Chain Management Practices
- Form A17:** MBD 6.2 Declaration Certificate for Local Production and Content
- Form B1:** Proof of CIDB Grading
- Form B2:** A valid originally or certified copy of the B-BBEE status level verification certificate, substantiating the B-BBEE rating or an EME must submit a sworn affidavit
- Form B3:** Proof of Previous Experience
- Form B4:** Schedule of Current Contracts
- Form B5:** Schedule of Construction Plant, Equipment and Labour
- Form B6:** Schedule of Proposed Subcontractors
- Form B7:** Schedule of Proposed Key Personnel and detailed CV's of all key personnel
- Form B8:** Estimated Monthly Expenditure
- Form B9:** Methodology Statement
- Form B10:** Preliminary Construction Programme
- Form B11:** Labour, Plant and Equipment Histograms
- Form B12:** Audited Financial Statements for past 3years
- Form B13:** Bank Rating
- Form B14:** SMME Plan
- Form B15:** COIDA Letter of Good Standing
- Form B16:** Bills of Quantities

T2.1.2 Returnable Documents and Schedules required for tender evaluation purposes

- Form of Offer and Acceptance
- Priced Bill of Quantities
- Form A3: Record of Addenda to Tender Documents (if applicable)
- Form A14: Letter of Intent from a Financial Institution to provide a Construction Guarantee in accordance with the GCC pro-forma for a project value equivalent to a CIDB 8 grading (refer C1.3)
- Form B2: A valid originally or certified copy of the B-BBEE status level verification certificate, substantiating the B-BBEE rating or an EME must submit a sworn affidavit
- Form B3: Proof of Previous Experience
- Form B7: Schedule of Proposed Key Personnel and detailed CV's of all key personnel
- Form B14: SMME Plan
- Form B15: COIDA Letter of Good Standing

T2.1.3 Documents that will be incorporated into the contract document

- Form of Offer and Acceptance
- Contract Data
- Pricing Instructions
- Priced Bills of Quantities
- Occupational Health and Safety Agreement (C1.4)
- Agreement in terms of Section 37(2) of the Occupational Health and Safety Act No 85 of 1993 (C1.5)
- Approved construction programme
- Specifications
- Scope of works
- Site Information
- Approved schedule of subcontractors
- Approved schedule of key personnel with CV's
- Approved monthly expenditure
- Approved Occupational Health and Safety (OHS) Plan
- Approved SMME Plan
- COIDA Letter of Good Standing

T2.1.4 The preferred bidder will be required to submit the following documents, for approval by the JDA and its agents, prior to award of the Tender:

- Schedule of proposed sub-contractors
- Estimated monthly expenditure
- Methodology statement
- Detailed construction programme
- Labour, plant and equipment histograms
- A project specific OHS plan
- All relevant Construction guarantees and insurances
- SMME Plan

T2.2 RETURNABLE SCHEDULES AND DOCUMENTS**T2.2.1 Returnable Schedules required for tender evaluation purposes**

Form A1:	Authority to sign Tender
Form A2:	Declaration of Interest
Form A3:	Record of Addenda to Tender Documents
Form A4:	Banking Details
Form A5:	Proposed Amendments and Qualifications (if any)
Form A6:	Certificate of Authority for Joint Venture and Joint Venture Agreement (if applicable)
Form A7:	MBD9 Certificate of Independent Bid Determination
Form A8:	Particulars of any contracts awarded by an organ of state during the last 5 years
Form A9:	Fulfilment of the Construction Regulations
Form A10:	Questionnaire on tenderer's procedures with respect to OHS and Construction Regulations
Form A11:	Business Declaration
Form A12:	A copy of a valid Tax Clearance Certificate and/or Tax Pin Number.
Form A13:	Declaration on State of Municipal Accounts and copy of current Municipal Account in the name of the Tenderer or alternatively in the names of the Directors/Partners of the tendering entity
Form A14:	Letter of Intent from a Financial Institution to provide a Construction Guarantee in accordance with the GCC pro-forma (refer C1.3)
Form A15:	MBD5 Declaration for Procurement above R10 million (Vat Included)
Form A16:	MBD8 Declaration of Bidders Past Supply Chain Management Practices
Form A17:	MBD 6.2 Declaration Certificate for Local Production and Content
Form B1:	Proof of CIDB Grading
Form B2:	A valid originally certified copy of the B-BBEE status level verification certificate, substantiating the B-BBEE rating or An EME must submit a sworn affidavit
Form B3:	Proof of Previous Experience
Form B4:	Schedule of Current Contracts
Form B5:	Schedule of Construction Plant, Equipment and Labour
Form B6:	Schedule of Proposed Subcontractors
Form B7:	Schedule of Proposed Key Personnel and detailed CV's of all key personnel
Form B8:	Estimated Monthly Expenditure
Form B9:	Methodology Statement
Form B10:	Preliminary Construction Programme
Form B11:	Labour, Plant and Equipment Histograms
Form B12:	Audited Financial Statements for past 3 years
Form B13:	Bank Rating
Form B14:	SMME Plan
Form B15:	COIDA Letter of Good Standing
Form B16:	Bills of Quantities

FORM A1: AUTHORITY TO SIGN TENDER

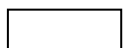
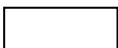
Notes to tenderer:

1. The signatory for the tenderer shall confirm his/her authority thereto by attaching on the tendering company's letterhead a duly signed and dated copy of the relevant resolution of the board of directors/partners.
2. In the event that the tenderer is a joint venture, a certificate is required from each member of the joint venture clearly setting out:
 - authority for signatory,
 - undertaking to formally enter into a joint venture contract should an award be made to the joint venture,
 - name of designated lead member of the intended joint venture, as required by tender condition F.2.13.4.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

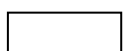
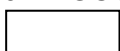
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DATE



FORM A2: DECLARATION OF INTEREST

- 1. No bid will be accepted from persons in the service of the state¹.
- 2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.
- 3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

- 3.1 Full Name of bidder or his or her representative:
- 3.2 Identity Number:
- 3.3 Position occupied in the Company (director, trustee, shareholder):
- 3.4 Company Registration Number:
- 3.5 Tax Reference Number:.....
- 3.6 VAT Registration Number:
- 3.7 The names of all directors / trustees / shareholders / members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.
- 3.8 Are you presently in the service of the state? **YES / NO**
If yes, furnish particulars.....
.....
- 3.9 Have you been in the service of the state for the past twelve months? **YES / NO**
If yes, furnish particulars.....
.....
- 3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**
If yes, furnish particulars.....
.....
- 3.11 Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? **YES / NO**
If yes, furnish particulars.....
.....
- 3.12 Are any of the company’s directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**
If yes, furnish particulars.....
.....



3.13 Are any spouse, child or parent of the company’s directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**
 If yes, furnish particulars.....

3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract. **YES / NO**
 If yes, furnish particulars.....

4. Full details of directors / trustees / members / shareholders.

FULL NAME	IDENTITY NUMBER	STATE EMPLOYEE NUMBER

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME)
 CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.
 I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
 Signature

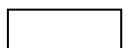
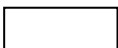
.....
 Position

.....
 Name of Bidder

.....
 Date

- * MSCM Regulations: "in the service of the state" means to be –
- (a) a member of –
 - (i) any municipal council;
 - (ii) any provincial legislature; or
 - (iii) the national Assembly or the national Council of provinces;
 - (b) a member of the board of directors of any municipal entity;
 - (c) an official of any municipality or municipal entity;
 - (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
 - (e) a member of the accounting authority of any national or provincial public entity; or
 - (f) an employee of Parliament or a provincial legislature.

** "Stakeholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.



FORM A3: RECORD OF ADDENDA TO TENDER DOCUMENTS

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

	DATE	TITLE OR DETAILS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

.....
Signature

.....
Date

(of person authorised to sign on behalf of the Tenderer)

FORM A4: BANKING DETAILS

I/We hereby authorise the Employer to approach the following bank for the purposes of obtaining a financial reference:

DESCRIPTION OF BANK DETAIL	BANK DETAILS APPLICABLE TO TENDERER'S HEAD OFFICE
Name of Bank	
Branch Name	
Branch Code	
Street Address	
Postal Address	
Name of Manager	
Telephone Number	
Fax Number	
Account Number	

.....
SIGNATURE
(of person authorised to sign on behalf of the Tenderer)

.....
DATE

JOHANNESBURG DEVELOPMENT AGENCY (JDA)

FORM A6: CERTIFICATE OF AUTHORITY FOR JOINT VENTURE (IF APPLICABLE)

This Returnable Schedule is to be completed by joint ventures.

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr/Ms, authorised signatory of the company, acting in the capacity of lead partner, to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

NAME OF FIRM	PERCENTAGE PARTICIPATION	ADDRESS	DULY AUTHORISED SIGNATORY
Lead Partner CIDB registration no:			Signature: Name: Designation:
Partner CIDB registration no:			Signature: Name: Designation:
Partner CIDB registration no:			Signature: Name: Designation:

.....

SIGNATURE

DATE

(of person authorised to sign on behalf of the Tenderer)

JDA GCC

JOHANNESBURG DEVELOPMENT AGENCY (JDA)

FORM A7: CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

JOHANNESBURG DEVELOPMENT AGENCY

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:
(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
6. 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 consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or

- (f) bidding with the intention not to win the bid.
- 8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 9. 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.
- 10. 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.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

JOHANNESBURG DEVELOPMENT AGENCY (JDA)

FORM A8: PARTICULARS OF ALL CONTRACTS AWARDED BY AN ORGAN OF STATE DURING THE LAST 5 YEARS

(In the event of insufficient space, kindly attach documentation)

EMPLOYER	CONSULTING ENGINEER	NATURE OF WORK	VALUE OF WORK	YEAR OF COMPLETION

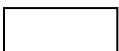
FORM A8 (Continued)

.....
SIGNATURE
(of person authorised to sign on behalf of the Tenderer)

.....
DATE

Organ of State means-

- a) a national or provincial department;
- b) a municipality;
- c) a constitutional institution defined in the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- d) Parliament;
- e) a provincial legislature;
- f) any other institution or category of institutions included in the definition of "organ of state" in section 239 of the Constitution and recognised by the [Minister](#) by notice in the *Government Gazette* as an institution or category of institutions to which [this Act](#) applies;



FORM A9: FULFILMENT OF THE CONSTRUCTION REGULATIONS, 2014

In terms of regulation 5 of the Construction Regulations, 2014 (hereinafter referred to as the Regulations), promulgated on 7 February 2014 in terms of Section 43 of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) prior to appointing a Contractor in accordance with CR5(1)(k), the Employer must:

- CR5(1)(g) Ensure that potential Principal Contractors submitting tenders have made adequate provision for the cost of health and safety measures and;
- CR5(1)(g) Ensure that the Principal Contractor to be appointed has the necessary competencies and resources to carry out construction safely

The Employer shall not appoint a contractor to perform construction work unless the Contractor can satisfy the Employer that his/her firm has the necessary competencies and resources to carry out the work safely and has allowed adequately in his/her tender for the due fulfilment of all the applicable requirements of the Act and the Regulations.

1. I confirm that I am fully conversant with the Regulations and that my company has (or will acquire/procure) the necessary competencies and resources to timeously, safely and successfully comply with all of the requirements of the Regulations.

(Tick)

YES	
NO	

2. Proposed approach to achieve compliance with the Regulations

(Tick)

Own resources, competent in terms of the Regulations (refer to 3 below)	
Own resources, still to be hired and/or trained (until competency is achieved)	
Specialist subcontract resources (competent) - specify:	

3. Provide details of proposed key persons, competent in terms of the Regulations, who will form part of the Contract team as specified in the Regulations (CVs to be attached):

.....

.....

.....

.....

4. Provide details of proposed training (if any) that will be undergone:

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

5. Potential key risks identified and measures for addressing risks:

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

6. I have fully included in my tendered rates and prices (in the appropriate payment items provided in the Schedule of Quantities) for all resources, actions, training and any other costs required for the due fulfilment of the Regulations for the duration of the construction and defects repair period.

(Tick)

YES	
NO	

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM A10: QUESTIONNAIRE ON TENDERER’S PROCEDURES WITH RESPECT TO THE OCCUPATIONAL HEALTH AND SAFETY ACT (OHACT) AND CONSTRUCTION REGULATIONS.

- 1. Name of the employee to be appointed as Construction Manager [Construction Regulation 8(1)]
.....
- 2. Name of the employee to be appointed as Construction Supervisor [Construction Regulation 8(7)]
.....
- 3. Names of the competent employees to assist the Construction Supervisor [Construction Regulation 8 (8)]
.....
- 4. Name of the person to be appointed to conduct base line and ongoing risk assessments [Construction Regulation 9 (1)].
.....
- 5. Name of competent person to be appointed as occupational health and safety officer [Construction Regulation 8 (6)]
.....
- 6. Will the employees to be appointed on the project be in possession of proof of health and safety induction training that will address the project specific risks and exposures [Construction Regulation 9 (1) (a)]? Yes / No.

If no, what are the tenderer’s proposals for such training?
- 7. Are the tenderer’s tools, plant and equipment tested and inspected regularly i.e. daily for vehicles and equipment and at least weekly for other tools and hand tools in terms of safety compliance? _Yes/No

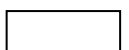
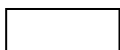
If no, what are the tenderer’s proposals for such testing?
- 8. Will a dedicated supervisor be designated to manage the process to test and inspect all tools, plant and equipment?.....Yes/No

If no, what are the tenderer’s proposals for such designation?
- 9. What other measures will the tenderer take to comply with the OHSACT and the Construction Regulations?..... Yes/No

If no, what are the tenderer’s proposals to comply with this requirement?
.....
- 10. Is the tenderer registered and in good standing with the Compensation Commissioner or duly approved compensation insurer?.....Yes/No

.....
SIGNATURE
(of person authorised to sign on behalf of the Tenderer)

.....
DATE



FORM A11: BUSINESS DECLARATION

Tender/RFP Number :

Tender/RFP Description :

Name of Company :

Postal Address :

Physical Address :

Telephone :

Fax :

Contact Person :

Cell Phone Number :

E-Mail Address :

Company/enterprise Income

Tax Reference Number **:

(Insert personal income tax number if a one-person business and personal income tax numbers of all partners if a partnership)

VAT Registration Number:

Company Registration Number:

1. Type of Firm

- Partnership
- One-person business/sole trader
- Close corporation
- Public company
- Private company

(Tick One Box)

2. Principal Business Activities

.....

.....

3. Total number of years the firm has been in business:

4. Detail all trade associations/professional bodies in which you have membership.

.....

.....

5. Did the firm exist under a previous name?

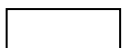
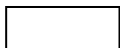
- Yes
- No

(Tick one box)

If yes, what was its previous name.....

6. How many permanent staff members are employed by the firm?

Full Time:



Part Time:

7. What is the enterprise’s latest annual turnover (excl. VAT): R.....

8. List the personnel or firms who provide the following services:

SERVICE	NAME	CONTACT PERSON	TELEPHONE
ACCOUNTING			
LEGAL			
AUDITING			
BANKING			
INSURANCE			

BANK DETAILS

I/We hereby request and authorize you to pay any amounts which may accrue to me/us to the credit of my/our account with the mentioned bank.

I/We understand that the credit transfers hereby authorized will be processed by computer through a system known as the “ACB Electronic Fund Transfer Service” and

I/We also understand that no additional advice of payment will be provided by my/our bank, but details of each payment will be printed on my/our bank statement or any accompanying voucher.

This authority may be cancelled by me/us giving 30 days’ notice in writing.

BANK :

BRANCH :

BRANCH CODE :

ACCOUNT NUMBER :

ACCOUNT HOLDER :

TYPE OF ACCOUNT :

PLEASE INCLUDE ORIGINAL SIGNED AND STAMPED LETTER FROM THE BANK CONFIRMING THE COMPANY’S BANKING DETAILS, PHOTOSTAT COPIES AND LETTERS BEARING ELECTRONIC SIGNATURES WILL NOT BE ACCEPTABLE.

The undersigned, who warrants that he/she is duly authorised to do so on behalf of the company, affirms that the information furnished in response to this request for proposal is true and correct:

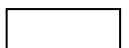
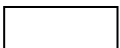
SIGNATURE :

NAME IN FULL :

CAPACITY :

DULY AUTHORIZED TO SIGN ON BEHALF OF:

DATE :



FORM A12: A COPY OF A VALID TAX COMPLIANCE STATUS LETTER

The tenderer shall include as an attachment to their submission a copy of a valid Tax Compliance Status letter, which shall be obtained by the tenderer from the South African Revenue Service (SARS).

In the event of a joint venture each member shall comply with the above requirement.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM A13: DECLARATION ON STATE OF MUNICIPAL ACCOUNTS

A Any bid will be rejected if:
Any municipal rates and taxes or municipal service charges owed by the bidder or any of the directors to the municipality or a municipal entity, or to any other municipality or municipal entity, are in arrears for more than three months.

B Bid Information

i. Name of bidder:

ii. Registration Number:

iii. Municipality where business is situated

iv. Municipal account number for rates:

v. Municipal account number for water and electricity:

vi. Names of all directors, their ID numbers and municipal account number.

1.

2.

3.

4.

5.

6.

7.

C Documents to be attached.

i. A copy of municipal account mentioned in B (iv) & (v) (Not older than 3 months)

ii. A copy of municipal accounts of all directors mentioned in B(vi) (Not older than 3 months)

iii. Proof of directors

I/We declare that the abovementioned information is true and correct and that the following

documents are attached to this form:.....

.....

D Any bid will be rejected if:
Any municipal rates and taxes or municipal service charges owed by the bidder or any of the directors to the municipality or a municipal entity, or to any other municipality or municipal entity, are in arrears for more than three months.

E Bid Information

i. Name of bidder:

- ii. Registration Number:
- iii. Municipality where business is situated
- iv. Municipal account number for rates:
- v. Municipal account number for water and electricity:
- vi. Names of all directors, their ID numbers and municipal account number.
 - 1.
 - 2.
 - 3.
 - 4.
 - 5.
 - 6.
 - 7.

F Documents to be attached.

- iv. A copy of municipal account mentioned in B (iv) & (v) (Not older than 3 months)
- v. A copy of municipal accounts of all directors mentioned in B(vi) (Not older than 3 months)
- vi. Proof of directors

I/We declare that the abovementioned information is true and correct and that the following documents are attached to this form:

.....

The tenderer shall include as an attachment to their submission a copy of the current Municipal Account in the name of the Tenderer or alternatively in the names of the Directors/Partners of the tendering entity.

In the event of a joint venture each member shall comply with the above requirement.

.....
SIGNATURE
(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM A14: LETTER OF INTENT

The tenderer shall include as an attachment to their submission a Letter of Intent from a Financial Institution to provide a Construction Guarantee in accordance with the GCC pro-forma.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM A15: DECLARATION FOR PROCUREMENT ABOVE R10 MILLION

MBD 5

DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (VAT INCLUDED)

For all procurement expected to exceed R10 million (VAT included), bidders must complete the following questionnaire:

1 Are you by law required to prepare annual financial statements for auditing?

1.1 If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.

.....

YES / NO

.....

2 Do you have any outstanding undisputed commitments for municipal services towards a municipality or any other service provider in respect of which payment is overdue for more than 30 days?

YES / NO

2.1 If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days.

2.2 If yes, provide particulars.

.....

.....

.....

.....

3. Has any contract been awarded to you by an organ of the state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract?

YES / NO

JOHANNESBURG DEVELOPMENT AGENCY (JDA)

3.1 If yes, furnish particulars

.....
.....

4. Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion

of payment from the municipality / municipal entity is expected to be transferred out of the Republic?

YES / NO

4.1 If yes, furnish particulars

.....
.....

CERTIFICATION

I, THE UNDERSIGNED (NAME)

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS CORRECT.

I ACCEPT THAT THE STATE MAY ACT AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....

.....

Signature

Date

.....

.....

Position

Name of Bidder

FORM A16: DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

MBD 8

1 DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors have:
 - a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
 - b. been convicted for fraud or corruption during the past five years;
 - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public-sector contract during the past five years; or
 - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

ITEM	QUESTION	YES	NO
4.1	Is the bidder or any of its directors listed on the National Treasury's database as a company or person prohibited from doing business with the public sector? (Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the <i>audi alteram partem</i> rule was applied).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? (To access this Register, enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445).	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		

ITEM	QUESTION	YES	NO
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.7.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME)
**CERTIFY THAT THE INFORMATION FURNISHED ON THIS
 DECLARATION FORM TRUE AND CORRECT.**

**I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN
 AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.**

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

FORM A17: MBD 6.2 DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT

This Municipal Bidding Document (MBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2011 and the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:201x.

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2011 (Regulation 9.(1) and 9.(3) make provision for the promotion of local production and content.
- 1.2. Regulation 9.(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Regulation 9.(3) prescribes that where there is no designated sector, a specific bidding condition may be included, that only locally produced services, works or goods or locally manufactured goods with a stipulated minimum threshold for local production and content, will be considered.
- 1.4. Where necessary, for bids referred to in paragraphs 1.2 and 1.3 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.5. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.6. The local content (LC) as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 201x as follows:

$$LC = 1 - \left(\frac{x}{y} \right) \times 100$$

Where

x imported content

y bid price excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by the South African Reserve Bank (SARB) at 12:00 on the date, one week (7 calendar days) prior to the closing date of the bid as required in paragraph 4.1 below.

1.7. A bid will be disqualified if:

- the bidder fails to achieve the stipulated minimum threshold for local production and content indicated in paragraph 3 below; and.

- this declaration certificate is not submitted as part of the bid documentation.

2. Definitions

- 2.1. **“bid”** includes advertised competitive bids, written price quotations or proposals;
- 2.2. **“bid price”** price offered by the bidder, excluding value added tax (VAT);
- 2.3. **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- 2.4. **“designated sector”** means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;
- 2.5. **“duly sign”** means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility(close corporation, partnership or individual).
- 2.6. **“imported content”** means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
- 2.7. **“local content”** means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;
- 2.8. **“stipulated minimum threshold”** means that portion of local production and content as determined by the Department of Trade and Industry; and
- 2.9. **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
3. **The stipulated minimum threshold(s) for local production and content for this bid is/are as follows:**

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %

4. Does any portion of the services, works or goods offered have any imported content?

YES	NO

4.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.6 of the general conditions must be the rate(s) published by the SARB for the specific currency at 12:00 on the date, one week (7 calendar days) prior to the closing date of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za.

Indicate the rate(s) of exchange against the appropriate currency in the table below:

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID No.

ISSUED BY: (Procurement Authority / Name of Municipality / Municipal Entity):
Johannesburg Development Agency

NB The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

I, the undersigned, (full names),
do hereby declare, in my capacity as
of

(name of bidder entity),

the following:

(a) The facts contained herein are within my own personal knowledge.

(b) I have satisfied myself that the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286.

(c) The local content has been calculated using the formula given in clause 3 of SATS 1286, the rates of exchange indicated in paragraph 4.1 above and the following figures:

Bid price, excluding VAT (y)	R
Imported content (x)	R
Stipulated minimum threshold for Local content (paragraph 3 above)	
Local content % as calculated in terms of SATS 1286	

If the bid is for more than one product, a schedule of the local content by product shall be attached.

(d) I accept that the Procurement Authority / Municipality /Municipal Entity has the right to request that the local content be verified in terms of the requirements of SATS 1286.

(e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286, may result in the Procurement Authority / Municipal / Municipal Entity imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

Annex C

Local Content Declaration - Summary Schedule

Note: VAT to be excluded from all calculations

(C1)	Tender No.	17/19.1.1.A.6000555.1
(C2)	Tender description:	Eastern Gateway Precinct - Oval Park
(C3)	Designated product(s)	
(C4)	Tender Authority:	Johannesburg Development Agency
(C5)	Tendering Entity name:	
(C6)	Tender Exchange Rate:	
(C7)	Specified local content %	

Pula EU GBP

Calculation of local content

Tender item no's	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)

Tender summary

Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C16)	(C17)	(C18)	(C19)

Signature of tenderer from Annex B

Date: _____

(C20) Total tender value

(C21) Total Exempt imported content

(C22) Total Tender value net of exempt imported content

(C23) Total Imported content

(C24) Total local content

(C25) Average local content % of tender

Annex D

Imported Content Declaration - Supporting Schedule to Annex C

(D1) Tender No.	17/19.1.1.A.6000	Note: VAT to be excluded from all calculations
(D2) Tender description:	Eastern Gateway Precinct - Oval Park	
(D3) Designated Products:		
(D4) Tender Authority:	Johannesburg Development Agency	
(D5) Tendering Entity name:		
(D6) Tender Exchange Rate:	Pula <input type="text"/> EU <input type="text"/> GBP <input type="text"/>	

A. Exempted imported content

Calculation of imported content										Summary	
Tender item no's	Description of imported content	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Exchange Rate	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Exempted imported value
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)	(D17)	(D18)
(D19) Total exempt imported value										R. 0	
This total must correspond with Annex C - C 21											

B. Imported directly by the Tenderer

Calculation of imported content										Summary	
Tender item no's	Description of imported content	Unit of measure	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Total imported value
(D20)	(D21)	(D22)	(D23)	(D24)	(D25)	(D26)	(D27)	(D28)	(D29)	(D30)	(D31)
(D32) Total imported value by tenderer										R. 0	

C. Imported by a 3rd party and supplied to the Tenderer

Calculation of imported content										Summary	
Description of imported content	Unit of measure	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Quantity imported	Total imported value
(D33)	(D34)	(D35)	(D36)	(D37)	(D38)	(D39)	(D40)	(D41)	(D42)	(D43)	(D44)
(D45) Total imported value by 3rd party										R. 0	

D. Other foreign currency payments

Calculation of foreign currency payments					Summary of payments	
Type of payment	Local supplier making the payment	Overseas beneficiary	Foreign currency value paid	Tender Rate of Exchange	Local value of payments	
(D46)	(D47)	(D48)	(D49)	(D50)	(D51)	
(D52) Total of foreign currency payments declared by tenderer and/or 3rd party						

Signature of tenderer from Annex B

(D52) Total of foreign currency payments declared by tenderer and/or 3rd party

(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above

Date: _____

This total must correspond with Annex C - C 23

Annex E

Local Content Declaration - Supporting Schedule to Annex C

(E1) Tender No.	17/19.1.1.A.600055
(E2) Tender description:	Eastern Gateway Precinct - Oval Park
(E3) Designated products:	
(E4) Tender Authority:	Johannesburg Development Agency
(E5) Tendering Entity name:	

Note: VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
(E9) Total local products (Goods, Services and Works)			

(E10) Manpower costs	(Tenderer's manpower cost)	
(E11) Factory overheads	(Rental, depreciation & amortisation, utility costs, consumables etc.)	
(E12) Administration over	(Marketing, insurance, financing, interest etc.)	
(E13) Total local content		
This total must correspond with Annex C - C24		

Signature of tenderer from Annex B

Date: _____

FORM B1: CIDB GRADING

The tenderer shall include as an attachment to their submission the proof of CIDB grading.

In the event of a joint venture each member shall comply with the above requirement.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B2: B-BBEE CERTIFICATE

The tenderer shall include as an attachment to their submission a valid originally certified copy of the B-BBEE status level verification certificate, substantiating the B-BBEE rating. An EME must submit a sworn affidavit confirming the following:

- Annual Turnover Revenue of R10 million or less; and
- Level of Black ownership
- Any misrepresentation in terms of the above constitutes a criminal offence as set out in the B-BBEE Act as amended.

A trust, consortium or joint venture will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.

A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate tender.

.....

SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....

DATE

FORM B3: PROOF OF PREVIOUS EXPERIENCE

CONTACTABLE REFERENCE – NOTE FOR BIDDERS

The submission of valid reference letters are material to the award of the contract.

Points for previous experience will only be allocated if the following is met :

1. The Reference letters are to be completed in full and signed by the Client. Letters signed by members of the professional team / consultants will not be considered.
2. Only civil projects, completed in the past 5 years, with a minimum value of R10m excluding VAT will be considered as previous experience.
3. The reference letters must include the following minimum information:
 - Name of project
 - Description of works
 - Contract start and completion dates
 - Project value
 - Services rendered
 - Level of satisfaction

A **maximum** of 5 reference letters to be submitted.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

JOHANNESBURG DEVELOPMENT AGENCY (JDA)

FORM B5: SCHEDULE OF CONSTRUCTION PLANT & EQUIPMENT

The following are lists of Construction Plant and Equipment that I/We presently own or lease and will have available for this contract if my / our tender is accepted.

- (a) **Details of Equipment that is owned by me / us and immediately available for this contract.**

DESCRIPTION	QUANTITY	YEAR ACQUIRED

Attach additional information in a supplementary document

- (b) **Details of Plant & Equipment that will be hired, or acquired for this contract if my / our tender is accepted**

DESCRIPTION <i>(type, size, capacity etc.)</i>	QUANTITY	HOW ACQUIRED	
		HIRE/ BUY	SOURCE

Attach additional information in a supplementary document

.....
Signature **Date**
(of person authorised to sign on behalf of the Tenderer)

JDA GCC

FORM B8: ESTIMATED MONTHLY EXPENDITURE

The Tenderer shall state below the estimated value of work to be completed every month based on his preliminary programme and his tendered unit rates.

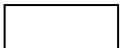
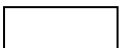
** The amounts for contingencies and Contract Price Adjustment must not be included.*

MONTH	VALUE *
1	R
2	R
3	R
4	R
5	R
6	R COMPLETION OF CONTRACT
TOTAL	R

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE



FORM B9: METHODOLOGY STATEMENT

The tenderer shall include as an attachment to their submission the detailed Methodology Statement for the works.

The methodology must demonstrate how the contractor intends to sequence the works. The manner in which the contractor intends to allocate resources must be clearly spelt out. When assessing the methodology, congruency with the project schedule will also be examined.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B10: PRELIMINARY CONSTRUCTION PROGRAMME

The tenderer shall include as an attachment to their submission the preliminary Construction Programme for the works.

The Critical Path should be based on an 6-month construction period.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B11: LABOUR, PLANT AND EQUIPMENT HISTOGRAMS

The tenderer shall include as an attachment to their submission the labour, plant and equipment histograms for the works.

.....

SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....

DATE

FORM B12: FINANCIAL STATEMENTS

The tenderer shall include as an attachment to their submission the Audited Financial Statements for the past three years.

.....

SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....

DATE

FORM B13: BANK RATING

The tenderer shall include as an attachment to their submission a letter from the bank at which he declares he conducts his account. The contents of the bank's letter must state the credit rating that it accords to the tenderer for the business envisaged by this tender.

In the event of a joint venture each member shall comply with the above requirement.

.....
SIGNATURE
(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B14: SMME PLAN

The tenderer shall include as an attachment to their submission a detailed SMME plan indicating how the SMME requirements will be achieved, as detailed in Part C3: Scope of Works. The SMME Plan must clarify the manner in which the bidder intends to manage, support and empower local SMME's and contractors.

The SMME plan must detail (i) how quality will be controlled, (ii) how the scope of works will be scheduled (programme), (iii) how will skills be transferred, (iv) how will reporting to the client be done (content of reports, frequency etc.) and (v) a comprehensive list of all bill items which are to be allocated to SMME's equivalent to 30% of the Offer Price. Tenderers are to demonstrate the list of items allocated to SMME's by highlighting the SMME rates in yellow on the excel version of the BOQ.

It is to be specifically noted that the rates for items of work to be executed by SMME's must be market related. Tenderers are to ensure that rates tendered for this portion of the works is to take into account all items that the main contractor would have allowed for in his normal course of pricing, i.e. materials, labour, wastage, profit, attendance, etc. all at applicable productivity rates.

.....
SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....
DATE

FORM B15: COIDA LETTER OF GOOD STANDING

The tenderer shall include as an attachment to their submission their COIDA Letter of Good Standing.

In the event of a joint venture each member shall comply with the above requirement.

.....

SIGNATURE

(of person authorised to sign on behalf of the Tenderer)

.....

DATE

FORM B16: BILLS OF QUANTITIES

The bills of quantities included in the tender documentation must be completed by hand in pen (hard copy).

An Excel version of the BOQ has also been included on the tender CD. The completed Excel workbook must be submitted with the hard copy tender submission.

THE HAND-WRITTEN BILL OF QUANTITIES (hard copy) WILL TAKE PREFERENCE IN CASES WHERE THERE ARE DISCREPANCIES BETWEEN THE HAND-WRITTEN BILLS OF QUANTITIES AND THE ELECTRONIC COPY.

Of the information provided by the tenderer as part of his submission, e.g. Rates, the signed hard copy shall be taken as the valid submission

PART C1: AGREEMENT AND CONTRACT DATA

C1.1 Form of Offer and Acceptance

Offer

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract In respect of the following works:

EASTERN GATEWAY PRECINCT - OVAL PARK - CONTRACT NO.: JDA 17/19.1.1.A.6000555.1

The tenderer, identified in the Offer signature block below, has examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the Tenderer offers to perform all of the obligations and liabilities of the Contractor under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

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

.....

.....Rand (in words); R.....(in figures)

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document including the Schedule of Deviations (if any) to the Tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the Tenderer becomes the party named as the Contractor in the conditions of contract identified in the Contract Data.

TENDERER:

WITNESS:

Signature

Signature

Name

Name

Capacity

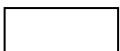
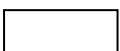
Capacity

Date

Date

Name and address of organisation:

JDA GCC



Acceptance

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Tenderer's Offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this agreement and in the Contract that is the subject of this agreement.

The terms of the contract, are contained in:

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

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be duly signed by the authorised representative(s) of both parties.

The Tenderer shall within two weeks of receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data at, or just after, the date this Agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

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

EMPLOYER:

WITNESS:

Signature

Signature

Name

Name

Capacity

Capacity

Date

Date

Name and address of organisation:

JOHANNESBURG DEVELOPMENT AGENCY (PTY) LTD
NO. 3 PRESIDENT STREET (HELEN JOSEPH STREET)
NEWTOWN
JOHANNESBURG

JDA GCC

Schedule of Deviations

Notes:

- 1. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender,
- 2.
- 3. A Tenderer’s covering letter shall not be included in the final contract document. Should any matter in such letter which constitutes a deviation as aforesaid become the subject of agreements reached during the process of offer and acceptance the outcome of such agreement shall be recorded here,
- 4.
- 5. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here,
- 6.
- 7. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of contract,

1 Subject

Details

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

2 Subject

Details

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

3 Subject

Details

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

4 Subject

Details

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

5 Subject

Details

.....
.....

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

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

TENDERER:

EMPLOYER:

Signature

Signature

Name

Name

Capacity

Capacity

Name and address of organisation:

Name and address of organisation:

WITNESS:

WITNESS:

Signature

Signature

Name

Name

Date

Date

CONFIRMATION OF RECEIPT

The Tenderer, (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today:

the _____(day) of _____(month)_____ (year)

at _____(place)

CONTRACTOR:

WITNESS:

Signature

Signature

Name

Name

Capacity

Capacity

Date

Date

C.1.2 CONTRACT DATA**PART 1: DATA PROVIDED BY THE EMPLOYER****CONDITIONS OF CONTRACT**

The General Conditions of Contract for Construction Works, Third Edition 2015, published by the South African Institute of Civil Engineering, Private Bag X200, Halfway House, 1685, is applicable to this Contract and is obtainable from www.saice.org.za.

CONTRACT SPECIFIC DATA

The following contract specific data, referring to the General Conditions of Contract for Construction Works, Third Edition, 2015, are applicable to this Contract:

Clause	Data
1.1.1.13	The Defects Liability period is Twelve (12) months
1.1.1.14	The time for achieving Practical Completion is 6 calendar months
1.1.1.15	The name of the Employer is JOHANNESBURG DEVELOPMENT AGENCY
1.1.1.16	The name of the Employer's Agent is Badat Developments
1.1.1.26	The Pricing Strategy is a remeasurement contract.
1.2.1.2	The address of the Employer is: Address (physical): 3 Helen Joseph Street (Formerly President Street), Newtown 2001 Address (postal): PO Box 61877, Marshalltown 2107 Contact person: Ms Nombuso Mtsweni Telephone: 011 688 7830 Facsimile: 011 688 7899 e-mail: NNxumalo@jda.org.za
1.2.1.2	The address of the Employer's Agent is: Address (physical): 39A 1 st Avenue, Melville, 2092 Address (postal): 39A 1 st Avenue, Melville, 2092 Contact person: Mr Agmat Badat Telephone: 011 482 1405 Facsimile: 086 601 5685 e-mail: agmat@badatdev.co.za
3.2.3	The Employer's Agent shall obtain the specific approval of the Employer before carrying out any of his functions or duties according to the following Clauses of the General Conditions of Contract: a) Clause 6.3.2: Issue of Variation Orders exceeding R10,000.00 . b) Clause 4.4.4: The removal or addition of a SMME subcontractor from or to the Works.

5.3.1	The documentation required before commencement with Works execution are: a) Health and Safety Plan (Refer to clause 4.3) b) Initial Programme (Refer to clause 5.6) c) Initial cash flow projection linked to the programme (Refer to clause 5.6.2.6) d) Security (Refer to clause 6.2) e) Insurance (refer to clause 8.6) f) Signed Contract Agreements with nominated SMME contractors and Community Liaison Officer. SMME contract agreements shall clearly state the assigned foreman details, scope of works, materials and equipment to be provided by the Contractor, payment conditions, time frame for completion and any penalties for late completion. g) Proforma SMME Contractor(s) Financial Statement proposed by the Contractor (for approval by Employer and Employer's Agent)
5.3.2	The time to submit the documentation required before commencement with Works execution is 14 days.
5.4.2	The access and possession of Site shall not be exclusive to the Contractor but as set out in the Scope of Work and Site Information, as well as other City of Johannesburg Service Authority appointed contractors, and in terms of all legislation, including the Construction Regulations 2015.
5.8.1	The non-working days are Sundays. The special non-working days are the official public holidays of the Republic of South Africa (which shall include public holidays set aside for voting purposes) and the industry year end break with effective dates published by the South African Forum of Civil Engineering Contractors (SAFCEC).
5.13.1	The penalty for failing to complete the Works at the Due Completion Date is R8,000.00 per day . The Contractor is to note that delay penalties, in addition to monies still owed to the Contractor (including retention monies) and the Guarantee, shall effectively be used to address additional costs incurred by the Employer, such as the Employer's Agent's construction monitoring fees and other service providers' fees and wayleave extension costs, as a result of the Works not being completed at the Due Completion Date.
5.14.1	The requirements for achieving Practical Completion are all those for the Works to reach a state of readiness, fit for the intended purpose and occupation without danger or undue inconvenience to the Employer.
5.16.3	The latent defect period is 10 years
6.8.2	The tenderer is to submit a fixed price tender (not subject to contract price adjustment)
6.10.1.5	The percentage advance on materials not yet built into the Permanent Works is 80%.
6.10.3	The limit of retention money is 5%
8.6.1	The Contractor shall provide insurance of the works in terms of clause 8.6 of the GCC
8.6.1.1.3	The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is 20% of the Contract Sum.
8.6.1.5	The Contractor is to provide all additional insurances including for, but not limited to, his own employees, vehicles and equipment and plant not incorporated into the Works.
10.5.3	The number of Adjudication Board Members to be appointed is ONE.
10.7.1	The determination of disputes shall be by arbitration.

ADDITIONAL CLAUSE TO THE GENERAL CONDITIONS OF CONTRACT

5.12.2.2	A delay caused by inclement weather conditions will be regarded as a delay only if, in the opinion of the Engineer, all progress on an item or items of work on the critical path of the working programme of the contractor has been brought to a halt. Delays on working days only (based on a five-day working week) will be taken into account for the extension of time, but the Contractor shall make provision in his programme of work for an expected delay of "n" working days caused by normal rainy weather, for which he will not receive any extension of time, where "n" equals 15 days. Extension of time during working days will be granted to the degree to which actual delays, as defined above, exceed the number of "n" workings days.
5.13.3	The penalty for failure, on the part of the Contractor, to submit any regular monthly report as set out elsewhere in this document on the 25th day of each month (or the previous work day for the applicable month) until the issue of the Certificate of Completion may be subject to non-payment of the monthly payment certificates until the necessary reports have been submitted.

PART 2: DATA PROVIDED BY THE CONTRACTOR

Clause	Data
1.1.1.9	The name of the Contractor is:
1.2.1.2	The address and contact details of the Contractor are:
	Address (physical):
	Address (postal):
	Contact person:
	Telephone:
	Facsimile:
	e-mail:
	Facsimile:
	e-mail:
6.2.1	The security to be provided by the Contractor shall be a Performance Guarantee of 10% of the Contract Sum and a 10% Retention reducing to 5% of the Contract Sum. The Performance Guarantee is to be worded as per the document included in C1.3.
6.5.1.2.3	The percentage allowance to cover overhead charges and profit is 10% .

.....
Signature

.....
Date

PART C1: AGREEMENT AND CONTRACT DATA

C1.3 PERFORMANCE GUARANTEE

GUARANTOR DETAILS AND DEFINITIONS

“Guarantor” means:

Physical address:

“Employer” means:

“Contractor” means:

“Employer’s Agent” means:

“Works” means:

“Site” means:

“Contract” means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

“Contract Sum” means: The accepted amount inclusive of tax of R.....

Amount in words:

“Guaranteed Sum” means: The maximum aggregate amount of R.....

Amount in words:

Type of Performance Guarantee: **Variable**

“Expiry Date” means: Date of issue of Certificate of Completion, or any other later date set by the Contractor and/or Employer provided such instruction is received prior to the Expiry Date as indicated here.

CONTRACT DETAILS

Employer’s Agent issues: Interim Payment Certificates, Final Payment Certificate and the Certificate of Completion of the Works as defined in the Contract.

PERFORMANCE GUARANTEE

1. VARIABLE PERFORMANCE GUARANTEE

1.1.1 Where a Variable Performance Guarantee has been selected, the Guarantor's liability shall be limited during the following periods to diminishing amounts of the Guaranteed Sum as follows:

1.1.2 From and including the date of signing the Performance Guarantee up to and including the date of the interim payment certificate certifying, for the first time, more than 50% of the Contract Sum:

R

(Amount in words)

1.1.3 From the day following the date of the said interim payment certificate up to and including the Expiry Date, or the date of issue by the Employer's Agent of the Certificate of Completion of the Works, whichever occurs first:

R

(Amount in words)

1.2 The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the interim payment certificate certifying, for the first time, more than 50% of the Contract Sum, has been issued and the date on which the Certificate of Completion of the Works has been issued.

2. FIXED PERFORMANCE GUARANTEE

2.1 Where a Fixed Performance Guarantee has been selected, the Guarantor's liability shall be limited to the amount of the Guaranteed Sum.

2.2 The Guarantor's period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the Expiry Date or the date of issue by the employer's Agent of the Certificate of Completion of the Works or the date of payment in full of the Guaranteed Sum, whichever occurs first.

2.3 The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.

3. CONDITIONS APPLICABLE TO VARIABLE AND FIXED PERFORMANCE GUARANTEES

1.1 The Guarantor hereby acknowledges that:

1.1.1 any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship;

1.1.2 its obligation under this Performance Guarantee is restricted to the payment of money.

1.2 Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 3.2.1 to 3.2.3:

1.2.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 3.2.2;

1.2.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 3.2.1 and the sum certified has still not been paid;

1.2.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 3.2.

1.3 Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:

- 1.3.1 the Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 3.3; or
- 1.3.2 a provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 3.3; and
- 1.3.3 the aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
- 1.4 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 3.2 and 3.3 shall not exceed the Guarantor's maximum liability in terms of 1.1 or 2.1.
- 1.5 Where the Guarantor has made payment in terms of 3.3, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 1.6 Payment by the Guarantor in terms of 3.2 or 3.3 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 1.7 Payment by the Guarantor in terms of 3.3 will only be made against the return of the original Performance Guarantee by the Employer.
- 1.8 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 1.9 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 1.10 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 1.1.2 or 2.2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 1.11 This Performance Guarantee, with the required demand notices in terms of 3.2 or 3.3, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 1.12 Where this Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of Magistrate's Court.

Signed at _____

Date _____

Guarantor's signatory (1) _____

Capacity _____

Guarantor's signatory (2) _____

Capacity _____

Witness signatory (1) _____

Witness signatory (2) _____

PART C1: AGREEMENT AND CONTRACT DATA

C1.4 Occupational Health and Safety Agreement

THIS AGREEMENT between Johannesburg Development Agency (JDA) (hereinafter called “the Employer”) on the one part, herein represented by:in his/her capacity as..... and..... (hereinafter called “the Contractor”) of the other part herein represented byin his/her capacity as

WHEREAS the Employer is desirous that certain works be constructed, being contract **EASTERN GATEWAY PRECINCT - OVAL PARK - CONTRACT NO. : JDA 17/19.1.1.A.6000555.1** and has accepted a tender by the Contractor for the construction, completion and maintenance of such works and whereas the Employer and the Contractor have agreed to certain arrangements and procedures to be followed in order to ensure compliance by the Contractor with the provisions of the Occupational Health and Safety Act 1993 (Act 85 of 1993).

NOW THEREFORE THIS AGREEMENT WITNESSED AS FOLLOWS:

- 1. The Contractor shall execute the work in accordance with the contract documents pertaining to this contract.
- 2. This Agreement shall hold good for the duration of construction, commencing from the handover of the site up to the end of the defects liability period.
- 3. Should the contract be terminated for any reason; this agreement shall lapse upon the date of termination.
- 4. The Contractor declares himself to be conversant with the following:
 - (a) All the requirements, regulations and standards of the Occupational Health and Safety Act (Act 85 of 1993), hereinafter referred to as “the Act”, together with its amendments thereto.
 - (b) All the requirements of the Construction Regulations hereinafter referred to as the “Regulations”, together with any amendments thereto.
 - (c) The Health and Safety Specification of the Employer as pertaining to the Contractor and to all his subcontractors.
- 5. In addition to the requirements of the contract, the Contractor agrees to execute all the works forming part of this contract and to operate and utilise all machinery, plant and equipment in accordance with the Act and the Regulations.
- 6. The Contractor is responsible for the compliance with the Act and the Regulations by all his subcontractors, whether or not selected or nominated and/or approved by the Employer.
- 7. The Contractor warrants that all his and his subcontractors’ workmen are covered in terms of the Compensation for Occupational Injuries and Diseases Act 1993 which cover shall remain in force whilst any such workmen are present on site. A letter of good standing from the

Compensation Commissioner to this effect must be produced to the Employer upon signature of the agreement.

8. The Contractor undertakes to ensure that he and/or his subcontractors and/or their respective employees will at all times comply with the following conditions:
- (a) The Contractor undertakes to comply with all provisions of the Act and its Regulations.
 - (b) The Contractor will be obliged to report to the Employer on a regular basis regarding compliance by the Contractor with the Act and its Regulations.
 - (c) All incidents referred to in the Occupational Health and Safety Act shall be reported by the Contractor to the Department of Labour as well as to the Employer. The Employer will further be provided with copies of all written documentation relating to any incident.
 - (d) The Employer hereby records an interest in the issue of any formal enquiry conducted in terms of Section 32 of the Occupational Health and Safety Act into any incident involving the Contractor and/or his employees and/or his subcontractors.

In witness, thereof the parties hereto have set their signatures hereon in the presence of the subscribing witnesses:

for and on behalf of the Contractor who warrants to be duly authorised to do so

Name: _____

Designation: _____

As witnesses:

1. _____

for and on behalf of the Employer who warrants to be duly authorised to do so

Name: _____

Designation: _____

As witnesses:

1. _____

PART C1: AGREEMENT AND CONTRACT DATA

C1.5 AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 OF 1993

THIS AGREEMENT is made between the Johannesburg Development Agency represented by the(hereinafter called the EMPLOYER of the one part, herein represented by: in his/her capacity as: and: (hereinafter called the CONTRACTOR) of the other part, herein represented by..... in his/her capacity as: duly authorised to sign on behalf of the Contractor.

WHEREAS the CONTRACTOR is the Mandatory of the EMPLOYER in consequence of an agreement between the CONTRACTOR and the EMPLOYER in respect of

CONTRACT No: JDA 17/19.1.1.A.6000555.1 for EASTERN GATEWAY PRECINCT - OVAL PARK

AND WHEREAS the EMPLOYER and the CONTRACTOR have agreed to enter into an agreement in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act No 85 of 1993, as amended by OHS Act Amendment Act No 181/1993 (hereinafter referred to as the ACT);

NOW THEREFORE the parties agree as follows:

- 1. The CONTRACTOR undertakes to acquaint the appropriate officials and employees of the CONTRACTOR with all relevant provisions of the ACT and the regulations promulgated in terms thereof.
- 2. The CONTRACTOR undertakes to fully comply with all relevant duties, obligations and prohibitions imposed in terms of the ACT and Regulations: Provided that should the EMPLOYER have prescribed certain arrangements and procedures that same shall be observed and adhered to by the CONTRACTOR, his officials and employees. The CONTRACTOR shall bear the onus of acquainting himself/herself/itself with such arrangements and procedures.
- 3. The CONTRACTOR hereby accepts sole liability for such due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures, if any, imposed by the ACT and Regulations, and the CONTRACTOR expressly absolves the EMPLOYER and the Employer’s CONSULTING ENGINEERS from being obliged to comply with any of the aforesaid duties, obligations, prohibitions, arrangements and procedures in respect of the work included in the contract.
- 4. The CONTRACTOR agrees that any duly authorised officials of the EMPLOYER shall be entitled, although not obliged, to take such steps as may be necessary to ensure that the CONTRACTOR has complied with his undertakings as more fully set out in paragraphs 1 and 2 above, which steps may

include, but shall not be limited to, the right to inspect any appropriate site or premises occupied by the CONTRACTOR, or to take such steps it may deem necessary to remedy the default of the CONTRACTOR at the cost of the CONTRACTOR.

- 5. The CONTRACTOR shall be obliged to report forthwith to the EMPLOYER any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the ACT and Regulations, pursuant to work performed in terms of this agreement, and shall, on written demand, provide full details in writing of such investigation, complaint or criminal charge.

Thus signed at for and on behalf of the **CONTRACTOR**

on this the day of 20.....

SIGNATURE: _____

NAME AND SURNAME: _____

CAPACITY: _____

WITNESS: _____

Thus signed at for and on behalf of the **EMPLOYER** on this

the day of 20.....

SIGNATURE: _____

NAME AND SURNAME: _____

CAPACITY: _____

WITNESS: _____

PART C2: PRICING DATA**C2.1 Pricing Instructions**

1. The Conditions of Contract, the Contract Data, the Specifications (including the Project Specifications) and the Drawings shall be read in conjunction with the Bill of Quantities. The agreement is based on the General Conditions of Contract for Construction Works, prepared by the South African Institution of Civil Engineering, 2015. The additions, deletions and alterations to the General Conditions of Contract for Construction Works 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.
2. The Bill comprises items covering the Contractor's profit and costs of general liabilities and of the construction of Temporary and Permanent Works.
3. Although the Tenderer is at liberty to insert a rate of his own choosing for each item in the Bill, he should note the fact that the Contractor is entitled, under various circumstances, to payment for additional work carried out and that the Engineer is obliged to base his assessment of the rates to be paid for such additional work on the rates the Contractor inserted in the Bill. Clause 8 of each Standardized Specification, and the measurement and payment clause of each Particular Specification, read together with the relevant clauses of the Project Specifications, all set out which ancillary or associated activities are included in the rates for the specified operations.
4. Descriptions in the Bill of Quantities are abbreviated and may differ from those in the Standardized and Project Specifications. No consideration will be given to any claim by the Contractor submitted on such a basis. The Bill has been drawn up generally in accordance with the latest issue of Civil Engineering Quantities. Should any requirement of the measurement and payment clause of the appropriate Standardized or Project Specification(s) be contrary to the terms of the Bill or, when relevant, to the Civil Engineering Quantities, the requirement of the appropriate Standardized, Project, or Particular Specification as the case may be, shall prevail.
5. Unless stated to the contrary, items are measured net in accordance with the Drawings without any allowance having been made for waste.
6. The amounts and rates to be inserted in the Bill of Quantities shall be the full inclusive amounts to the Employer for the work described under the several items. Such amounts shall cover all the costs and expenses that may be required in and for the construction of the work described, and shall cover the costs of all general risks, profits, taxes (but excluding value-added tax), liabilities and obligations set forth or implied in the documents on which the Tender is based.
7. An amount or rate shall be entered against each item in the Bill of Quantities, whether or not quantities are stated. An item against which no amount or rate is entered will be considered to be covered by the other amounts or rates in the Bill.
8. The Tenderer shall also fill in a rate against the items where the words "rate only" appear in the amount column. Although no work is foreseen under these items and no quantities are consequently given in the quantity column, the tendered rates shall apply should work under these items actually be required.
9. The standard system of measurement of civil engineering quantities published by the South African Institution of Civil Engineers.
10. Should the Tenderer group a number of items together and tender one sum for such group of items, the single tendered sum shall apply to that group of items and not to each individual item, or should he indicate against any item that full compensation for such item has been included in another item, the rate for the item included in another item shall be deemed to be nil. The tendered rates, prices and sums shall, subject only to the provisions of the Conditions of

Contract, remain valid irrespective of any change in the quantities during the execution of the Contract.

11. The quantities of work as measured and accepted and certified for payment in accordance with the Conditions of Contract, and not the quantities stated in the Bill of Quantities, will be used to determine payments to the Contractor. The validity of the Contract shall in no way be affected by differences between the quantities in the Bill of Quantities and the quantities certified for payment. The **Ordering of materials** is not to be based on the Bill of Quantities, but only on information issued for construction purposes.

12. For the purposes of this Bill of Quantities, the following words shall have the meanings hereby assigned to them:

Unit	:	The unit of measurement for each item of work as defined in the Standardized, Project or Particular Specifications
Quantity	:	The number of units of work for each item
Rate	:	The payment per unit of work at which the Tenderer tenders to do the work
Amount	:	The quantity of an item multiplied by the tendered rate of the (same) item
Sum	:	An amount tendered for an item, the extent of which is described in the Bill of Quantities, the Specifications or elsewhere, but of which the quantity of work is not measured in units

13. The units of measurement indicated in the Bill of Quantities are metric units. The following abbreviations may appear in the Bill of Quantities:

mm	=	millimetre
m	=	metre
km	=	kilometre
km-pass	=	kilometre-pass
m ²	=	square metre
m ² -pass	=	square metre-pass
ha	=	hectare
m ³	=	cubic metre
m ³ -km	=	cubic metre-kilometre
kW	=	kilowatt
kN	=	kilonewton
kg	=	kilogram
t	=	ton (1 000 kg)
%	=	per cent
MN	=	meganewton
MN-m	=	meganewton-metre
PC Sum	=	Prime Cost Sum
Prov Sum	=	Provisional Sum

14. Occupational Health and Safety Act and Construction Regulations

A payment item in the schedule of Quantities / Bill of Quantities must allow the tenderers to price for compliance with OHS Act and the Construction Regulations. This payment item, must include for the erection of Visitors Indemnity Signs and for ensuring that visitors receive instructions and sign an indemnity declaration.

PART C2: PRICING DATA

C2.2 Bill of Quantities

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
		<u>SECTION NO. 1</u>				
		<u>BILL NO. 1</u>				
	SANS 1200A	<u>PRELIMINARY AND GENERAL(Applicable to the whole of the Works)</u>				
	8.3	<u>FIXED CHARGE ITEMS</u>				
1	8.3.1	Contractual requirements.			SUM	
	8.3.2	<u>Establishment of Facilities on the Site</u>				
	8.3.2	<u>Facilities for Engineer</u>				
2	8.3.2.1a	Furnished offices. (In No.1)			SUM	
3	8.3.2.1b	Telephone.			SUM	
4	8.3.2.1c	Nameboards. (In No. 2).			SUM	
	8.3.2.2	<u>Facilities for Contractor</u>				
5	8.3.2.2a	Offices and storage sheds.			SUM	
6	8.3.2.2b	Workshops.			SUM	
7	8.3.2.2c	Laboratories.			SUM	
8	8.3.2.2d	Living accommodation.			SUM	
9	8.3.2.2e	Ablution and latrine facilities.			SUM	
10	8.3.2.2f	Tools and equipment.			SUM	
11	8.3.2.2g	Water supplies, electric power, communications, dealing with water, and access.			SUM	
		Carried to Collection			R	
		Section No. 1 Bill No. 1 Preliminaries				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
12	8.3.2.2j	Plant.			SUM	
13	8.3.3	Other fixed charge obligations.			SUM	
14	8.3.3.1	Company and head office overhead costs for the management of SMME's in accordance with the contract conditions, including the provision of a dedicated individual to fulfill this function (minimum of 5 SMME's will be utilised).			SUM	
15	8.3.4	Removal of site establishment.			SUM	
	8.3	<u>VALUE RELATED ITEMS</u>				
16	8.3.1	Contractual requirements.			SUM	
	8.3.2	<u>Establishment of Facilities on the Site</u>				
	8.3.2.1	<u>Facilities for Engineer</u>				
17	8.3.2.1a	Furnished offices. (In No. 1)			SUM	
18	8.3.2.1b	Telephone.			SUM	
19	8.3.2.1c	Nameboards. (In No. 2).			SUM	
	8.3.2.2	<u>Facilities for Contractor</u>				
20	8.3.2.2a	Offices and storage sheds.			SUM	
21	8.3.2.2b	Workshops.			SUM	
22	8.3.2.2c	Laboratories.			SUM	
23	8.3.2.2d	Living accommodation.			SUM	
24	8.3.2.2e	Ablution and latrine facilities.			SUM	
		Carried to Collection			R	
		Section No. 1 Bill No. 1 Preliminaries				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
25	8.3.2.2f	Tools and equipment.			SUM	
26	8.3.2.2g	Water supplies, electric power, communications, dealing with water, and access.			SUM	
27	8.3.2.2j	Plant.			SUM	
28	8.3.3	Other value related obligations.			SUM	
29	8.3.3.1	Company and head office overhead costs for the management of SMME's in accordance with the contract conditions, including the provision of a dedicated individual to fulfill this function (minimum of 5 SMME's will be utilised).			SUM	
30	8.3.4	Removal of site establishment.			SUM	
	8.4	<u>TIME RELATED ITEMS</u>				
31	8.4.1	Contractual requirements.			SUM	
	8.4.2	<u>Operation and Maintenance of Facilities on Site, for Duration of Construction, (unless otherwise stated)</u>				
	8.4.2.1	<u>Facilities for Engineer</u>				
32	8.4.2.1a	Furnished offices. (In No. 1)			SUM	
33	8.4.2.1b	Telephone.			SUM	
34	8.4.2.1c	Nameboards. (In No. 2).			SUM	
35	8.4.2.1d	Survey assistants and materials.			SUM	
		Carried to Collection			R	
		Section No. 1 Bill No. 1 Preliminaries				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	8.4.2.2	<u>Facilities for Contractor</u>				
36	8.4.2.2a	Offices and storage sheds.			SUM	
37	8.4.2.2b	Workshops.			SUM	
38	8.4.2.2c	Laboratories.			SUM	
39	8.4.2.2d	Living accommodation.			SUM	
40	8.4.2.2e	Ablution and latrine facilities.			SUM	
41	8.4.2.2f	Tools and equipment.			SUM	
42	8.4.2.2g	Water supplies, electric power, communications, dealing with water, and access.			SUM	
43	8.4.2.2j	Plant.			SUM	
44	8.4.3	Supervision for duration of construction.			SUM	
45	8.4.4	Company and head office overhead costs for duration of construction.			SUM	
46	8.4.5	Other time related obligations.			SUM	
47	8.4.5.1	Company and head office overhead costs for the management of SMME's in accordance with the contract conditions, including the provision of a dedicated individual to fulfill this function (minimum of 5 SMME's will be utilised).			SUM	
	8.5	<u>PROVISIONAL SUMS FOR:</u>				
48	8.5a.1	Training.		Item		150 000.00
		Carried to Collection			R	
		Section No. 1 Bill No. 1 Preliminaries				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
49	8.5b.2	Overheads, charges and profit on (a) above.			SUM	
50	8.5c.3	Specified activities associated with or independent of (a) or (b) above.			SUM	
51	8.5a.4	Enterprise Development.		Item		150 000.00
52	8.5b.5	Overheads, charges and profit on (a) above.			SUM	
53	8.5c.6	Specified activities associated with or independent of (a) or (b) above.			SUM	
54	8.5a.7	Community Liaison Officer.		Item		72 000.00
55	8.5b.8	Overheads, charges and profit on (a) above.			SUM	
56	8.5c.9	Specified activities associated with or independent of (a) or (b) above.			SUM	
57	8.5a.10	SMME Mentor		Item		300 000.00
58	8.5b.11	Overheads, charges and profit on (a) above.			SUM	
59	8.5c.12	Specified activities associated with or independent of (a) or (b) above.			SUM	
60	8.5a.13	Signage & Fire Signage.		Item		20 000.00
61	8.5b.14	Overheads, charges and profit on (a) above.			SUM	
62	8.5c.15	Specified activities associated with or independent of (a) or (b) above.			SUM	
63	8.5a.16	5-a-Side Soccerfields		Item		1 000 000.00
Carried to Collection						R
Section No. 1 Bill No. 1 Preliminaries						

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
64	8.5b.17	Overheads, charges and profit on (a) above.			SUM	
65	8.5c.18	Specified activities associated with or independent of (a) or (b) above.			SUM	
66	8.5a.22	Repair Work to Existing Fencing		Item		50 000.00
67	8.5b.23	Overheads, charges and profit on (a) above.			SUM	
68	8.5c.24	Specified activities associated with or independent of (a) or (b) above.			SUM	
	8.8	<u>TEMPORARY WORKS</u>				
69	8.8.2	Dealing with or accommodation of traffic.			SUM	
70	8.8.3	The contractor is to provide all temporary works which he deems necessary to complete the project and he must protect all existing structures in the vicinity of the works.			SUM	
71	8.8.4a	Supply or hire of specialist equipment for the detection of all services.			SUM	
72	8.8.4b	Use of the equipment referred to in item (a) above.			SUM	
73	8.8.4d	Temporary protection of services.			SUM	
74	8.8.5.b.2	Cost of survey in terms of the land surveying act.			SUM	
Carried to Collection						R
Section No. 1 Bill No. 1 Preliminaries						

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
75	8.9	<p>Compliance with the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended as well as all current legislation related to compliance with Covid-19 health and safety requirements. The contractor shall price opposite this item for compliance with the act and the regulations, specifically including legislated Covid-19 compliance measures and the reasonable provisions of the aforementioned health and safety specification.</p> <p>The contractor shall:</p> <ol style="list-style-type: none"> 1. Comply with the health and safety specification including legislated Covid-19 compliance measures for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. Cooperate with the health and safety consultant in all respects 4. Manage the compliance of all subcontractors with the regulations including legislated Covid-19 compliance measures and with the health and safety plan and specification 5. Conform to the conditions contained in the employer's health and safety specification 				
76	8.10	Workman's Compensation Act.			SUM	SUM
Carried to Collection						R
Section No. 1 Bill No. 1 Preliminaries						

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
		<u>SMME PRELIMINARY AND GENERAL (Applicable to the whole of the Works)THE FOLLOWING ITEMS ARE TO CATER FOR A MINIMUM OF 5 SMME's.</u>				
	8.3	<u>FIXED CHARGE ITEMS</u>				
	8.3.2	<u>Establishment of Facilities on the Site for SMME's (Minimum 5No. SMME's)</u>				
	8.3.2.2	<u>Facilities for SMME's (Minimum 5No. SMME's)</u>				
77	8.3.2.2a	Offices and storage sheds.			SUM	
78	8.3.2.2f	Tools and equipment.			SUM	
79	8.3.2.2g	Water supplies, electric power, communications, dealing with water, and access.			SUM	
80	8.3.2.2j	Plant.			SUM	
81	8.3.3	Other fixed charge obligations.			SUM	
82	8.3.4	Removal of site establishment.			SUM	
	8.3	<u>VALUE RELATED ITEMS</u>				
	8.3.2	<u>Establishment of Facilities on the Site for SMME's (Minimum 5No. SMME's)</u>				
	8.3.2.2	<u>Facilities for SMME's (Minimum 5No. SMME's)</u>				
83	8.3.2.2a	Offices and storage sheds.			SUM	
84	8.3.2.2f	Tools and equipment.			SUM	
		Carried to Collection			R	
		Section No. 1 Bill No. 1 Preliminaries				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
85	8.3.2.2g	Water supplies, electric power, communications, dealing with water, and access.			SUM	
86	8.3.2.2j	Plant.			SUM	
87	8.3.3	Other value related obligations.			SUM	
88	8.3.4	Removal of site establishment.			SUM	
	8.4	<u>TIME RELATED ITEMS</u>				
	8.4.2.2	<u>Facilities for SMME's (Minimum 5No. SMME's)</u>				
89	8.4.2.2a	Offices and storage sheds.			SUM	
90	8.4.2.2f	Tools and equipment.			SUM	
91	8.4.2.2g	Water supplies, electric power, communications, dealing with water, and access.			SUM	
92	8.4.2.2j	Plant.			SUM	
93	8.4.3	Supervision by SMME for duration of construction.			SUM	
94	8.4.4	Company and head office overhead costs for duration of construction.			SUM	
95	8.4.5	Other time related obligations.			SUM	
		Carried to Collection			R	
		Section No. 1 Bill No. 1 Preliminaries				

		Section No. 1 Bill No. 1 Preliminaries <u>COLLECTION</u>					
		Total Brought Forward from Page No.		Page No		Amount	
				91			
				92			
				93			
				94			
				95			
				96			
				97			
				98			
				99			
		Carried to Final Summary					
		Section No. 1 Bill No. 1 Preliminaries					

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>DEMOLITIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include for bulking and loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</p>				
	<p><u>DEMOLITIONS, ETC.</u></p>				
1	Break down and remove existing reinforced concrete steps including carting away all material to a dumping site to be located by the Contractor.	m3	20		
2	Take up and remove existing 60mm thick concrete and clay pavers and cartaway to a dumping site located by the contractor.	m2	80		
3	Break down and remove existing brick boundary wall 1800mm high including removing strip footings, backfilling and cart away all material to a dumping site to be located by the contractor.	m	30		
4	Take off and remove existing steel palisade fence, posts and bases, 1800mm high including carting away all material to a dumping site to be located by the contractor.	m	40		
	Carried to Collection				R
	Section No. 2 Bill No. 1 Demolitions				

Item No		Unit	Quantity	Rate	Amount
5	Take out and remove tree with trunk not exceeding 1000mm including excavating and removing of roots, filling hole with clean dry earthfilling and compacting to road/sidewalk specification.	No	3		
6	Take out and remove tree with trunk exceeding 1000mm but not exceeding 1500mm girth including excavating and removing of roots, filling hole with clean dry earthfilling and compacting to road/sidewalk specification.	No	2		
Carried to Collection					R
Section No. 2 Bill No. 1 Demolitions					

Section No. 2 Bill No. 1 Demolitions <u>COLLECTION</u>				
		Page No		Amount
Total Brought Forward from Page No.		101		
		102		
Carried Forward to Summary of Section No.				
			R	
Section No. 2 Bill No. 1 Demolitions				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
		<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 2</u></p> <p><u>GENERAL SITEWORKS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include for bulking and loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</p>				
		<p><u>SITE CLEARANCE, ETC.</u></p> <p><u>Site clearance:</u></p> <p>Allow for digging up and removing all rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth measured 1m above ground level, etc. including carting away all material to a dumping site to be located by the contractor.</p>				
1	SANS1200C 8.2.1	<p>Strip average 200mm thick layer of topsoil and cartaway to stockpiles on site.</p>	m2	4 335		
2	8.2.10	<p>Strip average 200mm thick layer of topsoil and cartaway to stockpiles on site.</p>	m2	4 335		
		<p><u>ROADS AND PAVEMENTS</u></p> <p>Carried to Collection</p> <p>Section No. 2 Bill No. 2 General Siteworks</p>				
					R	

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
3	<u>SANS 1200A</u> 8.8.4c	<u>Excavations:</u> Excavation by hand in all material to expose services.	m3	50		
4	<u>SANS1200DM</u> 8.3.4	Open face excavation in earth and soft rock over site to reduce levels including formation of platform compacted to 93% modified AASHTO density in 150mm thick layers with surplus material from the cut operation (cut to fill).	m3	1 182		
5	8.3.4	Open face excavation in earth and soft rock over site to reduce levels and cart away to stockpiles on site.	m3	744		
6		Extra over all excavations for carting away surplus material from excavations and/or stockpiles on site to a dumping site to be located by the Contractor.	m3	744		
7	8.3.6a	Extra over open face excavations in earth for excavations in intermediate rock including carting away to a dumping site to be located by the Contractor.	m3	74		
8	8.3.6b	Extra over open face excavations in earth for excavations in hard rock including carting away to a dumping site to be located by the Contractor.	m3	37		
9		Allow for keeping excavations free of all water other than subterranean water.		Item		
Carried to Collection						
Section No. 2 Bill No. 2 General Siteworks						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
10	8.3.3a	<u>Compaction of in-situ surfaces:</u> Rip and recompact ground surface, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% modified AASHTO density within 2% of OMC, and trim to required levels.	m2	3 941		
11	<u>SANS1200ME</u> 8.3.3	<u>Sub-base Course:</u> Selected imported G7 (commercial sources) natural gravel in 150mm layers and spread, level, water and compact to 95% modified AASHTO density within 2% of OMC and sloped to 1% falls with a tolerance of 6mm to 8mm on a 3m straight edge.	m3	392		
12		Selected imported crusher dust swept into joints between G7 natural gravel (G7 elsewhere).	m2	1 305		
13	<u>SANS1200ME</u> 8.3.3	<u>Base Course:</u> Selected imported G7 (commercial sources) natural gravel in 150mm layers and spread, level, water and compact to 95% modified AASHTO density within 2% of OMC.	m3	469		
14	<u>SANS1200ME</u> 8.3.3	Selected imported G6 (commercial sources) (C2 after stabilisation) natural gravel in 150mm layers and spread, level, water and compact to 97% modified AASHTO density within 2% of OMC.	m3	50		
Carried to Collection						
Section No. 2 Bill No. 2 General Siteworks						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
15	8.3.2	Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 95% Mod AASHTO density	m3	30		
	SANS1200ME	<u>Stabilisation:</u>				
16	8.3.5(d)	Process base/sub-base course by stabilisation (cement elsewhere).	m3	50		
17	8.3.8	Stabilising with ordinary portland cement at the rate of 3% by mass.	t	3		
		<u>Soil Tests:</u>				
		Note : Prices for soil tests must be included in the contractor's rates for earthworks items.				
		Additional soil tests to be carried out as directed by the Engineer:				
18		Modified AASHTO density tests.		Item		10 000.00
		Carried to Collection				
		Section No. 2				
		Bill No. 2				
		General Siteworks				

Item No	SANS Pay Ref	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 3</u></p> <p><u>PAVING, KERBS, ETC.</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include for bulking and loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</p>	Unit	Quantity	Rate	Amount
		<p><u>PAVING</u></p> <p>Approved brand of anti-termite soil poison & weedkiller is to be applied under paving by a Registered Company and guaranteed for ten years (deemed to be included in the rates below).</p> <p>Paving shall be laid in accordance with SABS 1200MJ, SABS 1058 and the Concrete Masonry Association's specifications.</p> <p>Paving shall be laid on 30mm (thickness after final compaction) clean river sand (preparation of ground or filling elsewhere) (deemed to be included in the rates below).</p> <p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 Bill No. 3 Paving, Kerbs, etc.</p>				<p style="text-align: right;">R</p>

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
		<p>Clean plaster sand shall be swept into joints between roadstones.</p> <p>The contractor to provide all necessary machinery, labour, transport and materials for the supply and installation of mow edge material</p> <p>Test sample: The contractor needs to install 2m on a concrete footing for approval. All aspects as specified need to be included into the test panel sample.</p> <p>All areas to be enclosed with the hard edge should be shaped to the desired slope and final soil levels for approval by the Landscape Architect, prior to the setting out of the edges for approval.</p> <p>All edges to be set out by the contractor for approval by the Landscape Architect prior to the soil preparations for the footings.</p> <p>Landscape architect to indicate all desired final mow edge levels, prior to installation.</p> <p><u>Soil preparation:</u> Excavate to allow for a 220mm wide (with 220 x 108,5 x 50mm concrete edge units) excavation to install the mow edges.</p> <p>Excavations to be the same depth of the individual mow edge units.</p> <p>Base of the excavation should be compacted to 95% MOD AASHTO.</p>				
		<p>Carried to Collection</p>				R
		<p>Section No. 2 Bill No. 3 Paving, Kerbs, etc.</p>				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
1		<p>Where the surrounding area (enclosed area) sub-base needs to be compacted the excavation for the footing should only commence on completion of the compaction of the larger area.</p> <p>No cracked, chipped, pavers with unwanted markings will be accepted.</p> <p>All areas showing subsidence on the final product will mean that the larger area will be redone, re-compacted and repaired to meet the specifications.</p> <p>All levels need to accommodate a minimum fall to allow for sufficient water run off</p> <p>Install all the pavers to finishing levels 35mm above the surrounding planting soil levels but level connecting to pathway heights or pathway kerbing.</p> <p>Install whole pavers on all ends</p> <p>Install 10mm recessed, smooth mortar joints.</p> <p><u>One layer of 250 micron type C waterproof sheeting sealed at laps with pressure sensitive tape:</u></p> <p>Under paving.</p>	m2	2 345		
Carried to Collection						R
Section No. 2 Bill No. 3 Paving, Kerbs, etc.						

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	<u>SANS 1200MJ</u> 8.2.2	<u>200 x 100 x 50mm thick "Bosun Bevel Bond", or equal approved, autumn blend colour laid in a basket weave pattern bedded on and including 30mm thick bed of river sand with 1:6 cement grout swept & watered into joints between roadstones:</u>				
2	8.2.2	Paving to roads, parking areas, pavements, bands, etc. to falls including any consequent cutting & sawcutting (circular cutting elsewhere).	m2	1 548		
3	8.2.3	Extra for circular cutting not exceeding 2m radius.	m	35		
	8.2.2	<u>200 x 100 x 50mm thick "Bosun Bevel Bond", or equal approved, granite colour laid in a header course pattern bedded on and including 30mm thick bed of river sand with 1:6 cement grout swept & watered into joints between roadstones:</u>				
4	8.2.2	Soldier course margins 200mm wide.	m	816		
5	8.2.2	Soldier course margins 200mm wide, circular on plan.	m	373		
	8.2.2	<u>Gravel Surfaces:</u>				
6		15 - 19mm Gravel (50mm thick) including spreading level.	m2	134		
7		Supply, deliver and install geotextile bidum layer underneath gravel (gravel elsewhere) including 200mm overlap all round.	m2	134		
		Carried to Collection				
		Section No. 2 Bill No. 3 Paving, Kerbs, etc.				
					R	

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	SANS1200MJ 8.2.2	<u>300 x 400 x 60mm thick custom made "WilsonStone Jogging Route Marker", or equal approved, grey colour precast concrete blocks bedded on and including 30mm thick bed of river sand with 1:6 cement grout swept & watered into joints between roadstones:</u>				
8	8.2.2	Blocks laid along jogging route to falls including any consequent cutting & sawcutting (circular cutting elsewhere).	No	5		
	8.2.2	<u>400 x 400 x 60mm thick "Smartstone Warning Tactile Paver", or equal approved, grey colour precast concrete blocks bedded on and including 30mm thick bed of river sand with 1:6 cement grout swept & watered into joints between roadstones:</u>				
9	8.2.2	Paving to roads, parking areas, pavements, bands, etc. to falls including any consequent cutting & sawcutting (circular cutting elsewhere).	m2	2		
	8.2.2	<u>400 x 400 x 60mm thick "Smartstone Directional Tactile Paver", or equal approved, grey colour precast concrete blocks bedded on and including 30mm thick bed of river sand with 1:6 cement grout swept & watered into joints between roadstones:</u>				
10	8.2.2	Soldier course margins 400mm wide.	m	5		
	SANS1200MK	<u>KERBS</u>				
		Carried to Collection				
		Section No. 2 Bill No. 3 Paving, Kerbs, etc.				
					R	

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	<u>SANS 1200MK</u> 8.2.1	<u>150 x 300mm Half-battered concrete kerb (SABS 927 Fig. 3) jointed and pointed in 5:1 cement mortar and bedded in 15mpa concrete including all necessary excavation, backfilling, carting away, continuous concrete haunching on curves, concrete haunching at joints on straights, 10mm thick fibre board expansion joint, 10 x 10mm polyurethane sealant over joint, etc.:</u>				
11	8.2.1	Laid straight.	m	150		
12	8.2.1	Laid circular on plan not exceeding 4m radius.	m	5		
	8.2.1	<u>75 x 150mm Rectangular concrete garden kerb (SABS 927 Fig. 12) jointed and pointed in 5:1 cement mortar and bedded in 15mpa concrete including all necessary excavation, backfilling, carting away, concrete haunching, etc.:</u>				
13	8.2.1	Laid straight.	m	55		
14	8.2.1	Laid circular on plan not exceeding 4m radius.	m	18		
Carried to Collection						
Section No. 2 Bill No. 3 Paving, Kerbs, etc.						
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	SANS1200MK	<u>Sundries</u>				
15	<u>SANS1200GB</u> 8.1.1	25Mpa/19mm Concrete edging along existing buildings size 150 x 150mm deep finished smooth on all exposed surfaces to a uniform dense finish with one top corner having a 10 x 10mm chamfer with closed cell expanded polyethylene filler and polyurethane sealant expansion joints at 6m centres, saw cut construction joints and sealant at 2m centres and 10mm softboard expansion joint along full length including all necessary formwork, excavation, backfilling, cutting into paving, etc.	m	12		
16	8.1.1	20Mpa/19mm Concrete edging below soldier course pavers (pavers elsewhere), size 200mm wide x 100mm deep finished smooth on all exposed surfaces to a uniform dense finish with closed cell expanded polyethylene filler and polyurethane sealant expansion joints at 6m centres, saw cut construction joints and sealant at 2m centres and 10mm softboard expansion joint along full length including all necessary formwork, excavation, backfilling, cutting into paving, etc.	m	816		
Carried to Collection						
Section No. 2 Bill No. 3 Paving, Kerbs, etc.						
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
17	8.1.1	20Mpa/19mm Concrete edging circular on plan, below soldier course pavers (pavers elsewhere), size 200mm wide x 100mm deep finished smooth on all exposed surfaces to a uniform dense finish with closed cell expanded polyethylene filler and polyurethane sealant expansion joints at 6m centres, saw cut construction joints and sealant at 2m centres and 10mm softboard expansion joint along full length including all necessary formwork, excavation, backfilling, cutting into paving, etc.	m	373		
18	<u>SANS1200MM</u> 8.3.4	30Mpa/19mm Concrete in surrounds to existing posts, manholes, etc. size overall 300 x 300 x 80mm thick including all necessary formwork, movement joints, cutting into paving, finishing top surfaces to a smooth finish, steel ruled joints all round top, casting around existing posts, manholes, etc.	No	10		
19	8.3.4	30Mpa/19mm Concrete in surrounds to existing posts, manholes, etc. size overall 450 x 450 x 80mm thick including all necessary formwork, movement joints, cutting into paving, finishing top surfaces to a smooth finish, steel ruled joints all round top, casting around existing posts, manholes, etc.	No	7		
Carried to Collection						
Section No. 2 Bill No. 3 Paving, Kerbs, etc.						
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
20	8.3.4	30Mpa/19mm Concrete in surrounds to existing posts, manholes, etc. size overall 1000 x 1000 x 80mm thick including all necessary formwork, movement joints, cutting into paving, finishing top surfaces to a smooth finish, steel ruled joints all round top, casting around existing posts, manholes, etc.	No	2		
	SANS1200MM	<u>ROAD MARKINGS</u>				
	<u>SANS1200MM</u> 8.4.1	<u>Prepare and paint one coat approved white, red or yellow 1.25mm thick thermoplastic, reflective road marking paint with Class 1 reflective beads within the paint on asphalt surface as per "The Southern African Development Community - Road Traffic Signs Manual (SARTSM), June 1999 Edition, Volumes 1 to 4" all in accordance with SABS 1091-1975:</u>				
21	8.4.1	100mm Wide broken or continuous lines. Code: RM1/WM3.	m	80		
	8.3.6	<u>ROAD SIGNS</u>				
		Carried to Collection				
		Section No. 2 Bill No. 3 Paving, Kerbs, etc.				
					R	

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	8.3.6	<u>Class 1 retro-reflective road sign complying with the requirements of "The Southern African Development Community - Road Traffic Signs Manual (SARTSM), June 1999 Edition, Volumes 1 to 4" all in accordance with SABS 1519, including galvanised steel support post 76mm diameter x 3mm thick x 2500mm long above finished ground level and minimum 600mm from road edge (to edge of sign) including all necessary excavation, backfilling, etc. including setting post in 25Mpa concrete base size 600mm diameter x 900mm minimum thickness:</u>				
22	8.3.6	600mm Diameter 'STOP' sign. Code: R1.	No	1		
23	8.3.6	600mm Diameter 'NO PARKING' sign. Code: R216.	No	1		
		<u>FINANCIAL PROVISION</u>				
24		Allow the amount of R50,000.00 (Fifty Thousand Rand Only) for attic stock.		Item		50 000.00
		Carried to Collection			R	
		Section No. 2 Bill No. 3 Paving, Kerbs, etc.				

Item No	SANS Pay Ref	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 4</u></p> <p><u>STORMWATER, SEWER, WATER RETICULATION</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include for bulking and loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</p> <p><u>Location of existing services:</u></p> <p>Location & protection of all municipal or other services identified or unknown, for the duration of the contract, are to be included in the contractors tendered rates.</p>	Unit	Quantity	Rate	Amount
		<p><u>STORMWATER RETICULATION</u></p>				
		<p>Carried to Collection</p> <p>Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation</p>			R	

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	SANS1200LE 8.2.1	<u>Precast concrete pipes laid in ground:</u>				
1	8.2.1	375mm Diameter precast reinforced concrete pipe to SABS 677 Type SC Class 100D with ogee joints including laying in ground to falls on and including Class C bedding (SABS 1200 LB) and selected fill blanket, including excavation 950mm wide and exceeding 1000mm and not exceeding 2000mm deep and backfilling to 93% modified AASHTO density in 150mm layers, including carting away surplus excavated material, risk of collapse, dewatering of trenches, etc. (SANS1200 DB 8.3.2(a) / LB 8.2.2.3 / LE 8.2.1).	m	60		
2	8.2.1	Ditto, but exceeding 2000mm and not exceeding 3000mm deep.	m	40		
3	8.2.1	450mm Diameter precast reinforced concrete pipe to SABS 677 Type SC Class 100D with ogee joints including laying in ground to falls on and including Class C bedding (SABS 1200 LB) and selected fill blanket, including excavation 950mm wide and exceeding 1000mm and not exceeding 2000mm deep and backfilling to 93% modified AASHTO density in 150mm layers, including carting away surplus excavated material, risk of collapse, dewatering of trenches, etc. (SANS1200 DB 8.3.2(a) / LB 8.2.2.3 / LE 8.2.1).	m	80		
4	8.2.1	Ditto, but exceeding 2000mm and not exceeding 3000mm deep.	m	20		
Carried to Collection						
Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation						
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
5	<u>SANS1200DB</u> 8.3.2(b)(1)	Extra over trench excavations for intermediate excavation.	m3	25		
6	8.3.2(b)(2)	Extra over trench excavations for hard excavation.	m3	12		
	<u>SANS1200LE</u> 8.2.8	<u>Stormwater Channels (As per attached Engineers Drawing CP053-OVP-TPS-001):</u>				
7		Excavation in compacted filling not exceeding 500mm deep to form trench for stormwater channel, including carting away material to a dump site to be located by the contractor.	m3	50		
8	8.3.3a	Rip and recompact ground surface to bottom of trenches, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% modified AASHTO density within 2% of OMC, and trim to required levels.	m2	143		
9	<u>SANS1200ME</u> 8.3.3	Selected imported G5 (commercial sources) natural gravel and spread, level, water and compact to a density of at least 95% modified AASHTO density within 2% of OMC in 150mm thick layers to shaped bottom of trenches.	m3	36		
Carried to Collection						
Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation						
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
10		<p>25mpa V-shaped channel 824mm wide x 155mm thick with ref. 193 mesh reinforcement (continuous over joints) and finished on exposed surfaces with a steel float, laid to falls in panels not exceeding 1,5m long, with 12mm thick bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound and including one layer 250 micron type C waterproof sheeting mechanically jointed including all necessary excavations, formwork, etc.</p> <p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation</p>	m	110		
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	SANS1200LE 8.2.8	<u>Grid inlets, kerb inlets, etc.:</u>				
11	8.2.8	Excavate in compacted earth for and build grid inlet catchpit size 1040 x 1040mm externally with plastered one brick wall sides in engineering bricks built in english bond on and including 25Mpa insitu concrete base 200mm thick with ref 245 mesh reinforcing, rendered smooth internally in 1:5 cement mortar, benching up bottom in 25Mpa concrete finished off smooth with a steel trowel and 1040 x 1040 x 150mm thick insitu concrete cover slab to SABS 1504, rebated and holed for and including 600 x 600mm square dished shaped purpose made heavy duty polymer grid inlet cover laid loose in 50 x 50 x 6mm angle section framing including all formwork, reinforcing, backfilling in 150mm layers compacted to 90% Mod AASHTO density, compaction, filling, etc. Depth to invert exceeding 1000mm and not exceeding 2000mm deep (As per attached Engineers Drawing CP053-OVP-TPS-001).	No	5		
		Carried to Collection			R	
		Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
12	8.2.8	<p>Excavate in compacted earth for and build manhole size 1340 x 1640mm externally with plastered one brick wall sides in engineering bricks built in english bond on and including 25Mpa insitu concrete base 200mm thick with ref 888 mesh reinforcing, rendered smooth internally in 1:5 cement mortar, benching up bottom in 25Mpa concrete finished off smooth with a steel trowel and 1340 x 1640 x 200mm thick insitu concrete cover slab to SABS 1504, rebated and holed for and including circular medium duty concrete manhole cover and frame including all formwork, reinforcing, backfilling in 150mm layers compacted to 90% Mod AASHTO density, compaction, filling, step irons, etc. Depth to invert exceeding 1000mm and not exceeding 2000mm deep (As per attached Engineers Drawing CP053-OVP-TPS-001).</p> <p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation</p>	No	5		
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
13	8.2.8	Excavate for and build kerb inlet catchpit size overall 4000 x 1210mm, comprising of an upper chamber and a lower chamber, with one brick wall sides in engineering bricks built in english bond on and including 20Mpa insitu concrete base 150mm thick with ref 245 mesh reinforcing, rendered smooth internally in 1:5 cement mortar, benching up bottom in 20Mpa concrete finished off smooth and 2No. x 100mm thick 25Mpa concrete cover slabs with ref 245 mesh reinforcing, each slab size 2000 x 1000mm including leaving or forming opening size 450mm diameter in wall for inlet and 450mm diameter hole for outlet pipe including all formwork, reinforcing, backfilling, compacting, transition kerbs, intermediate supports, end supports, etc. Depth to invert exceeding 1000mm and not exceeding 2000mm (As per attached Engineers Drawing CP053-OVP-TPS-001).	No	1		
14	8.2.8	Allow for cleaning existing kerb inlets, manholes. etc. (various sizes) of all rubbish, debris, etc., including cleaning of the inlet & outlet pipes for 20 metres in both directions, including removal of existing lids, relaying existing lids as per Engineer's instructions, making good & carting away all rubbish, debris, etc. to a dumping site to be located by the contractor.	No	2		
Carried to Collection						
Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation						
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	SANS1200LE	<u>Altering Depths of Manholes</u>				
15	<u>SANS1200LE</u> 8.2.13	Carefully remove existing reinforced concrete cover slab with and including manhole cover and frame from existing 1500 x 1500mm brick electrical or telephone manhole, increase depth by bricking up and plaster not exceeding 500mm high and refix cover slab and manhole cover and frame, including making good.	No	4		
16	8.2.13	Carefully remove existing reinforced concrete cover slab with and including manhole cover and frame from existing 1500 x 1500mm brick electrical or telephone manhole, lower depth by breaking and carting away brick wall not exceeding 500mm high and refix cover slab and manhole cover and frame, including making good.	No	2		
17		<u>Connections:</u> Cut into existing stormwater manhole for and connect new 450mm diameter precast concrete pipe, including temporary sealing off, diverting, backfilling, making good on completion.	No	1		
	SANS1200L	<u>WATER SUPPLY</u>				
Carried to Collection						
Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation						
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
		<u>HDPE (PE160 PN12,5 SDR13.6) water pipes with butt welded joints:</u>				
18	<u>SANS1200L</u> 8.2.1	32mm Diameter pipe laid in ground to falls on and including Class C bedding (SABS 1200LB) and selected fill blanket, including excavation 760mm wide and not exceeding 1000mm deep and backfilling to 90% modified AASHTO density in 150mm layers, including carting away surplus excavated material, risk of collapse, dewatering of trenches, etc.	m	100		
19	8.2.1	75mm Diameter pipe laid in ground to falls on and including Class C bedding (SABS 1200LB) and selected fill blanket, including excavation 760mm wide and not exceeding 1000mm deep and backfilling to 90% modified AASHTO density in 150mm layers, including carting away surplus excavated material, risk of collapse, dewatering of trenches, etc.	m	150		
		<u>Extra on 32mm diameter HDPE pipe for:</u>				
20	<u>SANS1200L</u> 8.2.2	End cap.	No	2		
21	8.2.2	Junction.	No	4		
22	8.2.2	Bend.	No	10		
23	8.2.2	Tee.	No	5		
24	8.2.2	Isolation valve.	No	3		
		Carried to Collection				
		Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation				
					R	

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
<u>Extra on 75mm diameter HDPE pipe for:</u>						
25	SANS1200L 8.2.2	End cap.	No	3		
26	8.2.2	Junction.	No	6		
27	8.2.2	Bend.	No	12		
28	8.2.2	Tee.	No	7		
29	8.2.2	Isolation valve.	No	5		
<u>Concrete anchor blocks and pipe surrounds:</u>						
30		20Mpa Concrete in anchor or thrust blocks including additional excavation and all necessary formwork.	m3	1		
<u>Valves and hydrants:</u>						
31	SANS1200L 8.2.2	100mm "Storz" or equal approved hydrant with instantaneous connection and double tamperproof valve including 100mm diameter stand pipe 1m high and 90 degree bend, bedded in and including 25Mpa concrete block size 300 x 300 x 150mm thick including all necessary excavations, formwork, backfilling, painting, denso tape, etc. (as per attached Engineer's drawing CP053-OVP-TPS-001).	No	2		
32	8.2.3	160mm Diameter flanged resilient wedge type gate valve including flange adaptor for uPVC pipes, non rising spindle and anti-clockwise closing, excavations, backfilling, etc.	No	2		
Carried to Collection						R
Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation						

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
33		<p><u>Valve chambers:</u></p> <p>Valve chamber size 1000 x 1000 x 1200mm deep internally with 100mm concrete base (20Mpa) including 220mm plastered brick walls in engineering bricks and Type 5 cast iron frame and lid to SABS 558-65 set in "Salberg", or equal approved, valve box including all necessary excavation, backfilling, formwork, etc.</p>	No	2		
	SANS1200LD	<p><u>SOIL DRAINAGE</u></p> <p><u>uPVC heavy duty pressure piping to SABS 791 with high impact couplings (Diameters given are outside diameters):</u></p>				
34	SANS1200LD 8.2.1	160mm Diameter Class 34 pipe laid in ground to falls on and including Class C bedding (SABS 1200LB) and selected fill blanket, including excavation in compacted earth 750mm wide and not exceeding 1000mm deep and backfilling to 90% modified AASHTO density in 150mm layers, including carting away surplus excavated material, risk of collapse, dewatering of trenches, shoring, etc.	m	90		
35	8.2.1	Ditto, but exceeding 1000mm and not exceeding 2000mm deep.	m	60		
36	SANS1200L 8.2.2	<p><u>Extra on 160mm diameter uPVC pipes for fittings:</u></p> <p>Junction.</p>	No	7		
37	8.2.2	45° Plan reducing junction.	No	5		
Carried to Collection						R
Section No. 2						
Bill No. 4						
Stormwater, Sewer, Water Reticulation						

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
38	8.2.2	Tee.	No	3		
39	SANS1200LD 8.2.2	End cap.	No	2		
40	SANS1200LD 8.2.9	<p>Sundries:</p> <p>20Mpa Concrete in marker block size overall 200 x 100 x 1300mm high with 800mm projecting above ground including all necessary excavation, formwork, etc.</p> <p><u>Excavate in earth for and including circular type precast concrete manhole formed of 1599mm diameter x 300mm thick 25Mpa concrete base with manhole formed of 1250mm diameter (internally) precast concrete rings with joints sealed with bituminous putty with and including precast concrete cover slab 159mm thick with opening for and including heavy duty road type manhole cover and lockable frame as type 2A set in cement mortar and sealed in tallow and with 20Mpa concrete benching in bottom floated smooth with falls and finished on all exposed surfaces with 25mm thick granolithic with angles rounded including all necessary excavation, backfilling, carting away, risk of collapse, shoring, dewatering, concrete blinding, formwork, step irons, etc.:</u></p>	No	5		
41		Manhole exceeding 1500mm and not exceeding 2000mm deep.	No	10		
		Carried to Collection				R
		Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
42		<p><u>Cleaning of Existing System:</u></p> <p>Allow for jet cleaning existing sewer pipes, manholes. etc. (various sizes) of all rubbish, debris, sewage, etc., including cleaning of the inlet & outlet pipes in both directions, including removal of existing lids, relaying existing lids as per Engineer's instructions, making good & carting away all rubbish, debris, etc. to a dumping site to be located by the contractor.</p>	No	1		
43		<p><u>Connections:</u></p> <p>Cut into existing sewer manhole for and connect new 160mm diameter uPVC pipe, including temporary sealing off, diverting, backfilling, liaising with the authorities, making good on completion.</p>	No	1		
Carried to Collection						R
Section No. 2 Bill No. 4 Stormwater, Sewer, Water Reticulation						

	Section No. 2				
	Bill No. 4				
	Stormwater, Sewer, Water Reticulation				
	<u>COLLECTION</u>				
	Total Brought Forward from Page No.		Page No	Amount	
			120		
			121		
			122		
			123		
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			130		
			131		
			132		
	Carried Forward to Summary of Section No. 2				
	Section No. 2				
	Bill No. 4				
	Stormwater, Sewer, Water Reticulation				
				R	

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
		<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 5</u></p> <p><u>STREET FURNITURE</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The rate for street furniture must allow for the purchase, transport, off loading, storage on site and installation. Contractor to provide samples for approval. All street furniture is to be of an Architectural standard and will be subject to the closet scrutiny for blemishes. The contractor will be hereby deemed to have taken this into account in his rates.</p>				
	SANS1200GB	<u>FOLLOWING IN STREET FURNITURE</u>				
	<u>SANS1200GB</u> 8.2.5.1a	<u>Precast Concrete Bollards:</u>				
1	8.2.5.1f	300mm Diameter smooth grey solid concrete balls "Vanstone P2-2401", or equal approved, precast concrete bollards including steel pegs planted in the ground including taking delivery, storing, and laying in position when required in strict accordance with the manufacturer's instructions.	No	8		
		Carried to Collection			R	
		Section No. 2 Bill No. 5 Street Furniture				

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
2	8.2.5.1f	450mm Diameter smooth grey solid concrete balls "Vanstone P2-2403", or equal approved, precast concrete bollards including steel pegs planted in the ground including taking delivery, storing, and laying in position when required in strict accordance with the manufacturer's instructions.	No	21		
	8.2.5.1a	<u>Garbage bins:</u>				
3	8.2.5.1a	20Mpa mass concrete in base for garbage bins (elsewhere measured) size overall 200 x 200 x 400mm deep with top surface to be finished smooth with a steel trowel and steel ruled joints all round top of base, embedded on excavated surface, including any necessary excavation, backfilling, cartaway, formwork, finishing top surface smooth with a steel float, etc.	No	6		
4		475mm Diameter x 800mm high "Fairground Swing Bin" by "Wilson Stone", or equal approved, including lug welded on one side to prevent swinging in both directions with one rectangular section post (post size 76 x 38 x 3.2mm) & cast 200mm deep into concrete base (base elsewhere measured) including taking delivery, storing and casting in position when required in strict accordance with the manufacturer's instructions.	No	6		
Carried to Collection						
Section No. 2 Bill No. 5 Street Furniture						
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	<u>SANS 1200GB</u> 8.2.5.1a	<u>Precast Tables and Seats:</u>				
5	8.2.5.1a	25Mpa mass concrete in base for precast concrete seats (elsewhere measured) size overall 550 x 500 x 200mm deep with top surface to be finished smooth with a steel trowel and steel ruled joints all round top of base, embedded on excavated surface, including any necessary excavation, formwork, 2 x Y10 reinforcing starter bars, cartaway, finishing top surface smooth with a steel float, etc.	No	74		
6	8.2.5.1a	25Mpa mass concrete in base for precast concrete tables (elsewhere measured) size overall 900 x 550 x 200mm deep with top surface to be finished smooth with a steel trowel and steel ruled joints all round top of base, embedded on excavated surface, including any necessary excavation, formwork, 2 x Y10 reinforcing starter bars, cartaway, finishing top surface smooth with a steel float, etc.	No	20		
7	8.2.5.1f	Precast "Eureka P3-3652" concrete seats by "Vanstone" or equal approved with 2No. legs cast into concrete base (elsewhere measured) including taking delivery, storing and casting in position when required in strict accordance with the manufacturers instructions.	No	37		
Carried to Collection						
Section No. 2 Bill No. 5 Street Furniture						
						R

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
8	8.2.5.1f	Precast "Eureka P3-3670" concrete table by "Vanstone" or equal approved with 2No. legs cast into concrete base (elsewhere measured) including taking delivery, storing and casting in position when required in strict accordance with the manufacturers instructions.	No	10		
	8.2.5.1a	<u>Tree Rings</u>				
9	8.2.5.1a	1500mm Diameter smooth grey finish precast concrete tree rings in four quarters, as supplied by "Vanstone P2-2801", or equal approved, including taking delivery, storing and laying in position on a mortar bed when required in strict accordance with the manufacturer's instructions.	No	53		
10		15 - 19mm Gravel (50mm thick) to square and round tree rings including spreading level.	m2	83		
11		Supply, deliver and install geotextile bidum layer underneath gravel (gravel elsewhere) including 200mm overlap all round.	m2	83		
	SANS1200GB	<u>FOLLOWING IN OUTDOOR GYM EQUIPMENT & PLAY EQUIPMENT</u>				
		Carried to Collection				
		Section No. 2 Bill No. 5 Street Furniture				
					R	

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
		<u>"Green Outdoor Gyms (GOG) Callisthenic Park Range", or equal approved, galvanised steel outdoor gym equipment including concrete foundations, installed in strict accordance with the manufacturer's instructions:</u>				
12		Equipment size overall 7m x 2.4m x 2.5m, code TXJ JM 05.	No	1		
13		Equipment size overall 3.8m x 1.8m x 2.5m, code TXJ JM 02.	No	1		
14		Equipment size overall 2.8m x 2.8m x 2.8m, code TXJ JM 07.	No	1		
15		Equipment size overall 4.8m x 2m x 2.5m, code TXJ 409.	No	1		
		<u>"Microzone Trading", or equal approved, outdoor play equipment including concrete foundations, paintwork, etc. installed in strict accordance with the manufacturer's instructions:</u>				
16		Balancing beam (Code: CC17).	No	1		
17		Rollercoaster (Code: CC24).	No	1		
18		Rollertwister (Code: CC40).	No	1		
19		Standard swing (Code: SW02).	No	1		
20		Musical pipes (Code: ST03).	No	1		
21		Fitness athletic custom climber (Code: CC02).	No	1		
		Carried to Collection				
		Section No. 2 Bill No. 5 Street Furniture				
					R	

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
22		Small climber with slide (Code: CC08).	No	1		
23		Medium climber with drum (Code: CC41).	No	1		
24		Medium rainbow climber (Code: CC20).	No	1		
Carried to Collection						R
Section No. 2 Bill No. 5 Street Furniture						

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 6</u>			
	<u>SEATING, PLAY AREAS, WORKOUT AREA & CANOPIES</u>			
	<u>Excavation in compacted filling not exceeding 2m deep</u>			
1	Trenches	m3	70	
2	Trenches circular on plan	m3	9	
3	Holes	m3	301	
	<u>Extra over excavations in earth for excavation in</u>			
4	Soft rock	m3	38	
5	Hard rock	m3	19	
	<u>Extra over all excavations for carting away</u>			
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	370	
	<u>Risk of collapse of excavations</u>			
7	Sides of trench and hole excavations not exceeding 1,5m deep	m2	377	
8	Sides of trench and hole excavations not exceeding 1,5m deep, circular on plan	m2	31	
	Carried to Collection			R
	Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies			

Item No		Quantity	Rate	Amount
9	<p><u>Keeping excavations free of water</u></p> <p>Keeping excavations free of water other than subterranean water</p>	Item		
10	<p><u>Compaction of in-situ surfaces:</u></p> <p>Rip and recompact ground surface to bottom of trenches, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% modified AASHTO density within 2% of OMC, and trim to required levels.</p>	m2	541	
11	<p><u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density</u></p> <p>Infill to seating walls.</p>	m3	4	
12	<p><u>Selected crushed stone aggregate filter blanket of 25mm-50mm crushed stone compacted on prepared ground:</u></p> <p>Backfilling to trenches, holes, etc</p>	m3	1	
13	<p><u>Selected imported G7 (commercial sources) natural gravel and spread, level, water and compact to a density of at least 95% modified AASHTO density within 2% of OMC in 150mm thick layers:</u></p> <p>To shaped earth mounds.</p>	m3	71	
14	<p><u>Selected imported G7 (commercial sources) natural gravel and spread, level, water and compact to a density of at least 97% modified AASHTO density within 2% of OMC in 150mm thick layers:</u></p> <p>Bottom of trenches.</p>	m3	338	
	<p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies</p>		R	

Item No		Quantity	Rate	Amount
	<u>Selected imported G5 (commercial sources) natural gravel and spread, level, water and compact to a density of at least 97% modified AASHTO density within 2% of OMC in 150mm thick layers:</u>			
15	Bottom of trenches.	m3	1	
	<u>Soil insecticide</u>			
16	To bottoms and sides of trenches, etc	m2	1 686	
	<u>15 MPa/19 mm concrete in</u>			
17	Surface blinding under footings and bases	m3	12	
18	Infill to ends of precast concrete seats.	m3	2	
	<u>25 MPa/19mm Concrete in</u>			
19	Ground beams & toe blocks.	m3	18	
20	Strip footings.	m3	20	
21	Bases.	m3	10	
22	Stub columns.	m3	1	
23	Drinking fountain walls (as per attached Engineer's drawing CP053-OVP-002 and Architect's drawing 20.31/L/310_000_T).	m3	1	
24	Surface beds laid to falls.	m3	80	
25	Infill between precast concrete seats.	m3	3	
	<u>25MPa high strength non-shrink grout:</u>			
	Non-shrink grout shall be 1:2 cement and sand mixture, mixed dry until uniform in colour before adding water.			
	Carried to Collection			R
	Section No. 2			
	Bill No. 6			
	Seating, Play Areas, Workout Area & Canopies			

Item No		Quantity	Rate	Amount
26	Bedding approximately 35mm thick under 250 x 250mm base plate including chamfered edges all round.	No	32	
<u>Holding down bolts:</u>				
27	Provide template for and embed set of four 16mm diameter x 300mm long steel holding down bolts (bolts elsewhere) into top of foundation base in exact position.	No	32	
<u>Thickening out:</u>				
28	Thicken out 100mm thick surface bed size overall 500 x 250mm thick with one splayed side including all necessary excavations, formwork, etc.	m	198	
29	Thicken out 100mm thick surface bed size overall 500 x 250mm thick, circular on plan with one splayed side including all necessary excavations, formwork, etc.	m	17	
<u>Finishing top surfaces of concrete smooth with a wood float:</u>				
30	Surface beds, slabs, etc.	m2	797	
<u>Finishing exposed surfaces of smooth formwork</u>				
31	Hack off projections, fill in and rub down concrete surfaces as necessary and leave ready for painting	m2	6	
<u>Rough formwork to:</u>				
32	Sides of stub columns.	m2	13	
33	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	249	
Carried to Collection				R
Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies				

Item No		Quantity	Rate	Amount
34	<p><u>Special formwork (Degree of Accuracy I) to:</u> Drinking fountain walls (as per attached Engineer's drawing CP053-OVP-002 and Architect's drawing 20.31/L/310_000_T).</p>	m2	6	
	<p><u>Extra over for forming recessed lettering to inside of special formwork to form a recessed finish to the concrete wall, formed of 19mm deep laser cut MDF board sealed with and including 3 coats of approved marine varnish including taking delivery, storing, holes in formwork, screwing into position when required, neatly finishing off the edges once the concrete has cured all in strict accordance with the Architect's and Engineers instructions (as per attached Engineer's drawing CP053-OVP-002 and Architect's drawing 20.31/L/310_000_T):</u></p>			
35	Lettering size overall 1000mm x 300mm to form the word "OVAL".	No	1	
36	Lettering size overall 400mm x 105mm to form the word "park".	No	1	
	<p><u>Boxing in or out special formwork to form:</u></p>			
37	20 x 100mm Deep recess to vertical face of drinking fountain walls (as per attached Engineer's drawing CP053-OVP-002 and Architect's drawing 20.31/L/310_000_T).	m	3	
	<p><u>Saw cut joints</u></p>			
38	75 x 6mm Saw cut joints in two operations in top of concrete.	m	533	
	<p><u>Mild steel rod reinforcement to structural concrete work:</u></p>			
39	Various size bars.	t	3.64	
	<p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies</p>		R	

Item No		Quantity	Rate	Amount
	<u>High tensile steel rod reinforcement to structural concrete work:</u>			
40	Various size bars.	t	2.43	
	<u>Fabric reinforcement with minimum 400mm wide overlaps:</u>			
41	Type 193 Fabric reinforcement in concrete surface beds.	m2	805	
	<u>Brickwork in extra hard burnt clay NFX bricks in 3:1 cement mortar:</u>			
42	Half brick walls to seating areas.	m2	9	
43	Half brick walls circular on plan, to seating areas.	m2	15	
44	One brick walls to planters.	m2	60	
45	One and a half brick walls to seating areas.	m2	41	
46	One and a half brick walls circular on plan, to seating areas.	m2	8	
47	220mm Wide brick on edge coping.	m	85	
	<u>Joint forming material in movement joints</u>			
48	20mm Bitumen impregnated softboard built in vertically through brick walls	m	5	
49	10mm Wide fibreboard built in vertically between brickwork and concrete surfaces.	m	216	
	<u>Brick reinforcement</u>			
50	75mm Wide reinforcement built in horizontally	m	233	
51	150mm Wide reinforcement built in horizontally	m	361	
	Carried to Collection			R
	Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies			

Item No		Quantity	Rate	Amount
	<u>"222 x 106 x 73mm thick Corobrik Fynbos Rooi FBA Clay Facebrick", or equal approved, bedded and jointed in Class II mortar:</u>			
52	Extra over brickwork for face brickwork in stretcher bond pattern and pointed with 12mm square raked horizontal and vertical joints.	m2	81	
53	Extra over brickwork for face brickwork circular on plan in stretcher bond pattern and pointed with 12mm square raked horizontal and vertical joints.	m2	15	
54	Face brickwork in stack bond pattern to tops of seats, not exceeding 350mm wide, and pointed with 5mm square raked horizontal and vertical joints.	m2	3	
55	Face brickwork in stack bond pattern circular on plan to tops of seats, not exceeding 350mm wide, and pointed with 5mm square raked horizontal and vertical joints.	m2	5	
56	220mm Wide single bullnose coping on top of brickwork and pointed with 12mm concave horizontal and vertical joints.	m	9	
57	220mm Wide single bullnose coping circular on plan on top of brickwork and pointed with 12mm concave horizontal and vertical joints.	m	15	
	<u>Embankment Seating:</u>			
58	"Infraset Type 4 Seat", or equal approved, precast concrete embankment seating system consisting of a grey hollow seat block, dry stacked at 26.56° on and including 75mm thick 25mpa structural screed to embankment, including taking delivery, storing and casting in position when required in strict accordance with the manufacturers instructions.	m	142	
59	Ditto, laid circular on plan.	m	9	
	Carried to Collection			R
	Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies			

Item No		Quantity	Rate	Amount
60	"Infraset Type 4 Step", or equal approved, precast concrete embankment seating system consisting of a grey hollow seat block, dry stacked at 26.56° on and including 75mm thick 25mpa structural screed to embankment, including taking delivery, storing and casting in position when required in strict accordance with the manufacturers instructions.	m	142	
61	Ditto, laid circular on plan.	m	9	
	<u>Prepare and apply one coat "ABE Super Laykold", or equal approved, primer and three coats "ABE Super Laykold", or equal approved, waterproofing:</u>			
62	To inner face of planter walls. <u>One layer of 250 micron type C waterproof sheeting sealed at laps with pressure sensitive tape:</u>	m2	60	
63	Under surface beds. <u>Grey polyurethane sealant, including backing cord, bond breaker, primer, etc</u>	m2	797	
64	Rake out 10mm thick expansion joint filler to a depth of 10mm, apply approved primer, insert packing strip and fill with type 2 gungrade polyurethane base joint sealing compound <u>"Dow Corning 890SL", or equal approved, silicone sealant, including backing cord, bond breaker, primer, etc.</u>	m	5	
65	Clean out 6mm thick saw cut joint, apply approved primer, insert backing cord and fill with sealing compound.	m	533	
	Carried to Collection			R
	Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies			

Item No		Quantity	Rate	Amount
<u>Subsoil Drainage</u>				
66	Kaymt U14, or equal approved, geofabric filter blanket wrapped around stone encasing with 150mm side and 300mm end laps including stitching.	m2	4	
<u>Surface Finish to Play Areas:</u>				
67	10mm Thick "Recycled Rubber Concepts - Anti Slip Hard Wearing Rubber Surface", or equal approved, flooring system in a standard green colour, laid on a dry concrete surface bed (surface bed elsewhere), including all preparation work, primer, etc. installed in strict accordance with manufacturer's instructions.	m2	258	
68	50mm Thick "Recycled Rubber Concepts - Impact Safety Play Rubber Surface", or equal approved, flooring system in a combination of colours(Orange - 20%; Lime - 20%; Purple - 20%; Turquoise - 20%; Yellow - 20%), laid on a dry concrete surface bed to sloped and circular earth mounds (surface bed elsewhere), including all preparation work, primer, etc., installed in strict accordance with manufacturer's instructions.	m2	539	
<u>Approved stainless steel type 304 (18/10):</u>				
69	"Franke 1,2mm Grade 304 18/10 stainless steel SAPSDF", or equal approved, combination wash hand basin & drinking fountain (Code: 2520011), size 370 x 125 x 490mm high with 40mm concealed waste outlet, unit recessed 125mm into concrete wall and fixing in position and connecting complete in strict accordance with the manufacturer's instructions.	No	1	
<u>Chromium plated taps:</u>				
70	"Walcro 101R", or equal approved, metering tap.	No	1	
Carried to Collection				R
Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies				

Item No		Quantity	Rate	Amount
71	<u>uPVC pipes</u> 50mm Pipes	m	2	
72	<u>Extra over uPVC pipes for fittings</u> 50mm Access bend	No	2	
	<u>GALVANISED MILD STEEL BALUSTRADES</u> <u>1100mm High galvanised mild steel balustrade comprising of 50mm x 2mm thick hollow section intermediate posts at maximum 1600mm centres including 100mm x 150mm x 10mm thick fixing plate to base of post bolted to top of concrete or brickwork with and including 4No. x 90mm long M12 bolts, 60mm x 8mm thick horizontal top and bottom flat bar members, 16mm diameter solid section vertical members fixed between horizontal top and bottom members at 200mm centres, 50mm diameter x 2mm thick continuous handrail fixed to intermediate posts with and including 50mm x 10mm x 100mm long solid section support pin, including all necessary core drilling, epoxy grouting, plastic spacer plugs, cover plates, etc. (as per attached Architects drawing 20.31/L/312_000_T):</u>			
73	Laid straight.	m	34	
74	Laid circular on plan.	m	7	
	<u>FENCING</u>			
	<p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies</p>		R	

Item No		Quantity	Rate	Amount
	<p><u>"Cochrane Steel ClearVu", or equal approved, in a galvanised and alu coated finish, pressed high density anti-climbing and anti-cut pressed mesh panel fencing 1800mm high formed of 3mm diameter horizontal & vertical high tensile galvanised and alu coated wires with aperture size 76,2mm x 12,7mm and reinforced with 3 x 50mm deep V-section recessed bands including 100mm high galvanised and alu coated "shark tooth" type spike rails bolted to 50mm wide ClearVu, or equal approved, mesh flange bent along fence top with and including 2400mm long standard recess ClearVu, or equal approved, taper locking posts at 3382mm centres size overall 85 x 88 x 4mm thick sealed with UV stabilised polymer end caps and bolted to and including 15MPa/19mm aggregate concrete block 400 x 400 x 600mm deep with vandal resistant bolts and clamping plates including sealed end caps, bolts, double clamping plates, etc. in strict accordance with the manufacturer's instructions:</u></p>			
75	Fence laid straight.	m	50	
76	<p>Double leaf swing gate size overall 3228 x 1800mm high formed of 76 x 38 x 3mm thick hollow section frame including 2No. hinge posts size 150 x 150 x 3mm thick, in-filled with and including "Cochrane ClearVu", or equal approved, pressed high density mesh panel fencing, including round bar drop bolts, locking device with lock box (CSP-05-0001•74•00•02-18-A, CSP-05-0001•74•00•02-18-B), hinges (CSP-05-4861_M27•18-01-A-R02), angle iron base pins (CSP-05-0001•74•00•06-18-A-002), cover plates (CSP-05-0001•74•00•01-18-B, CSP-05-0001•74•00•01-18-C), grab handles, shark tooth spikes, concrete bases, etc. installed in strict accordance with the manufacturers instructions.</p>	No	1	
	<p><u>STRUCTURAL STEELWORK</u></p>			
	<p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies</p>		R	

Item No		Quantity	Rate	Amount	
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Shop drawings</u></p> <p>The contractor will be required to prepare shop details for the work which must be submitted to the Engineer for approval before fabrication is started. Approval of shop details by the Engineer will include the following:</p> <p>a) Examination of member sizes for consistency with design requirements.</p> <p>b) Examination of all connections designed and/or detailed by the fabricator, for adequacy of load trasference.</p> <p>c) Approval of leading dimensions which are taken to include such dimensions as may influence the design (eg, depth of trusses and girders) or which may grossly affect site programme (eg, truss spans andstanchion heights).</p> <p>Norwithstanding any approval of these details, the contractor shall remain responsible for ensuring that the dimensions, details and workmanship result in the correct assembly of the work.</p>				
	Carried to Collection				
	Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies				
			R		

Item No		Quantity	Rate	Amount	
	<p><u>Material and workmanship</u></p> <p>The steelwork is to be fabricated from mild steel to SABS 1431 Grade 300W. The whole of the fabrication and workmanship generally is to be in strict accordance with SABS 0162-1984 as amended. The material shall be of best quality throughout, free from loose rust or millscale, true to thickness and profile throughout and of the section and mass specified subject to a 2% tolerance for rolling margin. Consideration will be given to any detail variation which the contractor may wish to make with the view to the simplification of either fabrication, delivery or erection. Substitutions must be made at the contractor's own expense.</p> <p>The contractor shall provide Works Test Certificates where so required by the Architect.</p> <p><u>Testing</u></p> <p>The Engineer shall be at liberty to select test pieces from steelwork in the workshop or on the site and to have them tested. The expense of such tests are to be borne by the contractor if the steelwork does not comply with the standards laid down above.</p> <p><u>Hold down bolts</u></p> <p>Holding down bolts and other fixing devices which are to be embedded in concrete must be supplied to the principal contractor on request together with the necessary information, identification and templates.</p> <p>2mm Mild steel plate templates provided on a scale of one template for every five groups of bolts, suitably marked to ensure easy identification are to be supplied to the principal contractor.</p> <p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies</p>				
			R		

Item No		Quantity	Rate	Amount	
	<p>Any costs incurred by subsequent repositioning of bolts, etc resulting from the contractor having failed to furnish adequate information, identification and templates will be for the contractor's account.</p> <p><u>Welding</u></p> <p>Welding shall be in accordance with SABS 044 "Welding: Parts I, II and III".</p> <p>Welding shall be carried out in a manner which will prevent any distortion of the weld or the parent section.</p> <p>All welds shall have adequate root fusion and shall be free from cracks, porosity or other irregularities and any undercutting shall be made good by the deposition of additional runs of weld metal.</p> <p>Any completed welds showing cracks, cavities or other effects shall be cut out and made good at the contractor's own expense.</p> <p>Mild steel electrodes shall comply with SABS 455 "Covered Electrodes for Manual Arc Welding of Mild Steel and Medium High Tensile Steel".</p> <p><u>Bolts</u></p> <p>Bolts shall have well-formed heads forged from the solid. Nuts shall closely fit the bolts so that they can only just be turned by hand and at least one clear thread shall project beyond the nut when fully tightened. All bolts shall have one washer under the nuts and shall be so tightened that the threaded portion does not bear on the members connected.</p> <p>Where bolt heads or nuts bear upon bevelled surfaces they shall be provided with tapered washers of 2,3 mm mean thickness to provide a seating square with the axis of the bolt.</p>				
	Carried to Collection				
	<p>Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies</p>				

Item No		Quantity	Rate	Amount	
	<p><u>Friction grip bolts</u></p> <p>Connections specifying high strength friction grip bolts are to be in strict accordance with SABS 094 "Bolted Friction Grip Joints in Structural Steelwork" and the bolts used are to be in accordance with BS 3139 Part 1 : 1959 "General Grade Bolts, High Strength Friction Grip Bolts for Structural Engineering".</p> <p>Notwithstanding the above, the following must be rigidly adhered to :</p> <p>a) Two-case hardened washers, one flat or bevelled under the head and the other flat or bevelled under the nut shall be used with each bolt.</p> <p>b) Contact surfaces shall not be painted and shall be thoroughly cleaned free of dirt, oil, loose scale, burrs and other defects which are liable to reduce friction resistnace between surfaces.</p> <p>c) At all times the correct torques shall be applied to the different sizes of bolts.</p> <p><u>Erection</u></p> <p>The steelwork generally is to be fabricated in the contractor's works having due regard to transport and erection facilities. He must supply all erection tackle, temporary erection bracing, erect and plumb all steelwork and supply all steel wedges and tacks as required.</p> <p>Items may be detailed for delivery "piece small" or the contractor may prefabricate if he is satisfied that suitable arrangements for transport can be made.</p> <p style="text-align: center;">Carried to Collection</p> <p>Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies</p>				
			R		

Item No		Quantity	Rate	Amount
78	IPE200 x 22.4Kg/m I-section columns set at an 80 degree angle including base plates, connectors, etc.	t	1.26	
<p><u>Welded rafters in single lengths with flat section gusset, bearer and connection plates:</u></p>				
79	IPE200 x 22.4Kg/m I-section rafter beam including gusset plates, connectors, etc.	t	2.31	
<p><u>PURLINS, GIRTS, BRACING, ETC.</u></p>				
<p><u>Purlins and girts bolted to steel, all treated as per paint specification referred to above in Supplementary Preambles</u></p>				
80	125 x 50 x 20 x 2.5mm Thick Cold formed lipped channel section purlins, cleats, etc.	t	1.98	
81	50 x 50 x 3mm Thick Square hollow section support, plates, etc.	t	0.30	
82	40 x 40 x 3mm Thick angle section cleats, etc.	t	0.31	
<p><u>BOLTS, ETC.</u></p>				
83	M16 Fully threaded holding down bolts including anchor plates, nuts and washers with one end tack welded to steel plate (elsewhere).	No	128	
<p><u>PROFILED METAL SHEETING</u></p>				
<p>Carried to Collection</p>				R
<p>Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies</p>				

Item No		Quantity	Rate	Amount
	<p><u>0,5mm Thick "GRS Klip-Tite". or equal approved profiled sheet metal sheeting with Chromadek Z200 (Charcoal) finish to one side, sheets 700mm wide with one male and female rib at ends 41mm high and two centre ribs 41mm high, in single lengths fixed to steel purlins by means of concealed fixings and fully interlocking fixing clips, including heavy duty industrial gauge accessories, fixed in strict accordance with the manufacturer's instructions:</u></p>			
84	Sheeting laid to steel trusses with pitch not exceeding 50 degrees in single lengths (measured nett).	m2	283	
85	Sheeting fixed vertically to steel purlins in single lengths (measured nett).	m2	42	
	<p><u>0,58mm Thick flashings, etc.:</u></p>			
86	400mm Girth flashing, four times bent (as per attached Architect's drawing 17.14/101).	m	119	
	<p><u>SUN SCREENS</u></p>			
	<p><u>3mm Thick "Dibond ACM", or equal approved, lightweight aluminium composite sheets formed of two aluminium cover layers and a polyethylene core fixed with self tapping screws to steel purlins (purlins elsewhere) with and including circular perforations of various sizes from 25mm diameter to 70mm diameter increasing in 5mm increments formed by contour cutting or contour milling processes in a CNC machine, all in strict accordance with the manufacturer's instructions (attached Architect's drawing 17.14/101):</u></p>			
87	Panel size overall 4066mm wide x 1500mm high.	No	5	
	<p><u>PAINTWORK</u></p>			
	Carried to Collection		R	
	<p>Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies</p>			

Item No		Quantity	Rate	Amount
88	<p><u>Clean down, touch up with primer for steel where required, and apply one coat "PPG Amercoat 68HS", or equal approved, primer coat, one coat "PPG Amercoat 385", or equal approved, intermediate coat and one coat "PPG Amercoat 450H", or equal approved, top coat on:</u></p> <p>Structural steel members.</p>	t 7.48		
Carried to Collection				R
Section No. 2 Bill No. 6 Seating, Play Areas, Workout Area & Canopies				

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 7</u></p> <p><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></p>			
	<p><u>ALTERATIONS</u></p> <p><u>Take out and remove doors, windows, etc. including thresholds, sills, etc. from brickwork to be demolished:</u></p>			
1	Single leaf door and frame unit size overall 813 x 2032mm high from half brick wall.	No	10	
	<p><u>Carefully take down and set aside for reuse including safely securing and maintaining:</u></p>			
2	Timber tongue and groove ceiling panels.	m2	150	
3	Polystyrene cornices.	m	220	
	<p><u>Take out and remove glass, mirrors, etc.:</u></p>			
4	Glass from existing steel window frames including cleaning out rebates and preparing for new glass.	m2	60	
	<p><u>Hack up/off and remove wall and floor tiles including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes:</u></p>			
5	Ceramic tiles to floors.	m2	300	
6	Ceramic tiles to walls.	m2	15	
7	75mm Ceramic skirtings.	m	186	
	Carried to Collection			R
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount
	<u>Take up and remove vinyl floor coverings, carpeting, etc.:</u>			
8	Vinyl tiles.	m2	50	
	<u>Relocation of Existing Containers</u>			
9	Relocate existing container building, size overall 5.2m x 6m, to a location within an 80m radius including disconnecting all existing services and reconnecting in the new position, new plinths, etc.		Item	
10	Carefully take up and remove existing ClearVu fence, set aside securely, and reinstall once the container has been relocated, including all foundation bases, etc.	m	10	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>25MPa/19mm Concrete in:</u>			
11	Steps.	m3	2	
	<u>Rough formwork to sides of:</u>			
12	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	12	
	<u>High tensile steel reinforcement</u>			
13	Various size bars	t	1.00	
	Carried to Collection			R
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount
	<u>Repair Work to Existing Spalling Concrete in Various Isolated Locations (Scaffolding to be allowed in rates):</u>			
14	Hammer test concrete around exposed reinforcement and carefully strip back existing spalled concrete until solid concrete is reached and expose reinforcement with 10mm space all around bars, blow out all loose materials from the affected area, remove corroded reinforcement, prepare existing reinforcement by wire brushing or sand blasting to remove all rust and treat with "Prostruct 688", or equal approved, anti corrosion primer, applied in strict accordance to manufacturer's instruction.	m3	10	
15	Apply "a.b.e. Epidermix 345", or equal approved, concrete adhesive to all exposed concrete, applied in strict accordance with the manufacturers instructions.	m2	20	
16	12mm Diameter High tensile steel dowel bars 150mm long with one end embedded 150mm deep in concrete with "Hilti HY 200-A", or equal approved, chemical anchor, in strict accordance with the manufacturer's instructions.	No	160	
17	12mm Diameter High tensile steel reinforcement bars.	t	2.00	
18	Smooth formwork to sides and soffits of beams, columns and walls.	m2	30	
19	25MPa/13mm Concrete to beams, columns and walls.	m3	20	
	<u>MASONRY</u>			
	Carried to Collection			
				R
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount
	<u>Brickwork in burnt clay NFP bricks in 3:1 cement mortar:</u>			
20	Half brick walls.	m2	4	
	<u>Brick reinforcement:</u>			
21	75mm Wide reinforcement built in horizontally.	m	16	
	<u>WATERPROOFING</u>			
	<u>Tough spun-bonded continuous polyester membrane 200mm wide secured with an approved adhesive over all side lapse, end lapse, roof screws, etc. in strict accordance with the manufacturers instructions on existing:</u>			
22	Galvanised roof sheeting.	m2	90	
	<u>ROOF COVERINGS, ETC</u>			
	<u>0,5mm Thick "Safintra Classicor Corrugated AZ150 ZincAl" roof sheeting with chromadek finish on one side in single lengths fixed to timber purlins including heavy industrial chromadek finishings all fixed in strict accordance with the manufacturer's instructions:</u>			
23	Sheeting laid to roof with pitch not exceeding 50 degrees in single lengths (measured nett).	m2	5	
	<u>145mm Thick "Isotherm", or equal approved, non-combustible flexible glasswool insulation with a white metalised foil face on the one side, installed in strict accordance with the manufacturers instructions:</u>			
24	Insulation laid taut over timber purlins and fixed concurrent with roof covering in strict accordance with the manufacturers instructions.	m2	200	
	Carried to Collection		R	
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount
	<u>Existing Roof Sheeting:</u>			
25	Fix down existing loose sheeting at the joints, to timber purlins including all necessary roof screws, etc.	m	50	
	<u>CEILINGS</u>			
	<u>Carefully reinstate existing ceilings and cornices from stockpiles on site:</u>			
26	Timber tongue and groove ceiling panels.	m2	150	
27	Polystyrene cornices.	m	220	
	<u>135mm Thick "Starfibre", or equal approved, ceiling insulation with a density of 10kg/m3 closely fitted between timber trusses and laid on top of:</u>			
28	Ceilings suspended not exceeding 1m below timber trusses.	m2	150	
	<u>CARPENTRY AND JOINERY</u>			
	<u>Hollow Core Doors:</u>			
	<u>44mm Thick heavy duty door with hardwood concealed edge strips and finished on both sides with hardboard and hung on steel frames (frames elsewhere):</u>			
29	Door size overall 813 x 2032mm high.	No	10	
	Carried to Collection			R
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount
	<u>Fire Doors</u>			
30	"Bitcon Rubidor", or equal approved, Class D single leaf fire door size overall 813 x 2032mm high in accordance with SABS 1253 with a commercial veneer and concealed steel cladding including 2mm galvanised steel custom made door frame to suit one brick wall rebated on one side and other side splayed at 45 degrees complete with hoop iron anchors welded to frame, one adjustable stainless steel striking plate suitable for mortice lock, three rubber shock absorbers in rebate and one and a half pairs of 100mm heavy duty brass hinges including preparing frame for door closer.	No	3	
	<u>IRONMONGERY</u>			
	<u>Hinges, Bolts, etc.</u>			
31	"DCLSA", or equal approved, 100 x 75 x 1.7mm stainless steel 4 ball bearing butt hinges (Code: VER210076/1.7).	No	40	
	<u>Locks</u>			
32	"Union SS8023SS", or equal approved, stainless steel WC indicator bolt.	No	10	
	<u>Handles</u>			
33	"Assa Abloy Dove", or equal approved, handle on 150 x 50mm oval backplate with Satin Chrome finish (Code: CB6D20-13SC) including oval cylinder upright lock case (Code: L-2241-78SS) and 66mm oval double cylinder (code: 2x6SCMKD).	Pairs	15	
34	"Assa Abloy Dove", or equal approved, handle on 150 x 50mm oval backplate with satin chrome finish (Code: CB6D20-06SC) including mortice latch (Code: 2657-78SS).	Pairs	20	
	Carried to Collection			R
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount
	<u>Door Closers</u>			
35	"Assa Abloy 7772", or equal approved, overhead door closer with regular arm (Code: 7772) and necessary mounting brackets, etc.	No	5	
	<u>Existing Windows and Door Ironmongery</u>			
36	Service existing hinges, locks, handles, etc.	No	150	
	<u>Grab Rails</u>			
37	"Franke CNTX750", or equal approved, stainless steel straight grab rail including mounting brackets screwed and plugged to wall.	No	2	
38	"Franke CNTX21", or equal approved, stainless steel angle grab rail including mounting brackets screwed and plugged to wall.	No	2	
	<u>Bathroom Fittings</u>			
39	"Franke STRX605", or equal approved, stainless steel waste bin fixed to wall.	No	6	
40	"Franke STRX611", or equal approved, stainless steel sanitary towel disposal bin fixed to wall.	No	6	
41	"Franke STRX618", or equal approved, stainless steel lockable soap dispenser fixed to wall.	No	18	
42	"Franke STRX600", or equal approved, stainless steel paper towel dispenser fixed to wall.	No	6	
43	"Franke HF2400HD", or equal approved, stainless steel automatic hand dryer fixed to wall.	No	6	
44	"Franke STRX672", or equal approved, stainless steel two roll lockable type toilet roll holder fixed to wall.	No	18	
	Carried to Collection			R
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount
45	"Franke BHM6P", or equal approved, stainless steel double arm soap rack fixed to wall.	No	10	
	<u>Sundry Items</u>			
46	"Union", or equal approved, stainless steel door stop (Code: 87001SS).	No	20	
	<u>STRUCTURAL STEELWORK</u>			
	<u>Following in Structural Steel Supports to Existing Timber Deck</u>			
	<u>Welded beams in single lengths with flat section gusset, bearer and connection plates:</u>			
47	IPE160 x 15.8Kg/m x 7500mm long Beams, including gusset plates, connectors, bolts, etc. installed to top of existing internal walls.	No	10	
	<u>METALWORK</u>			
	<u>1,6mm Thick double rebated frames suitable for one brick walls complete with hoop iron anchors welded to frame, 4.2mm thick flanged adjustable steel striking plate suitable for cylinder locks, three rubber shock absorbers in rebate and one and a half pair 100mm ball bearing stainless steel hinges screwed to frame with stainless steel screws:</u>			
48	Frame for door size 813 x 2032mm high.	No	10	
	<u>"Aluglass Bautech Showerflex® Silver Grey", or equal approved, powdercoated aluminium framed shower enclosure, glazed in stipolyte toughened safety glass, fixed complete to walls including pointing all round both sides of frame, all in strict accordance with teh manufacturer's instructions:</u>			
49	Doors size overall 900 x 1800mm high.	No	10	
	Carried to Collection			R
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount
<u>PLASTERING</u>				
<u>One coat cement plaster minimum 15mm thick finished smooth with a wood float and a finishing coat of rhinolite including all labours on brickwork:</u>				
50	On walls, part on concrete.	m2	8	
51	In narrow widths.	m2	1	
<u>TILING</u>				
<u>Allow a Prime Cost Amount of R170/m2 for ceramic floor tiles fixed with "Tal Goldstar 6", or equal approved, ceramic adhesive mixed with "Tal Bond", or equal approved, to screed (screed elsewhere) and flush pointed with "Tal Wall and Floor Grout" grout:</u>				
52	Floors.	m2	350	
53	Narrow widths.	m2	5	
54	100mm High skirting.	m	186	
<u>PLUMBING AND DRAINAGE</u>				
<u>Taps, Valves, etc.</u>				
55	"Hansgrohe Focus (31964000)", or equal approved, single lever shower mixer for concealed installation.	No	10	
56	"Hansgrohe Clubmaster Chrome (27475000)", or equal approved, 3 jet overhead shower head and arm.	No	10	
<u>Fire Service</u>				
Carried to Collection				R
Section No. 2 Bill No. 7 Building Work				

Item No		Quantity	Rate	Amount
	<u>Medium class galvanised mild steel screwed and socketed piping with Klambon joints in accordance with SABS 62 fixed to walls, concrete soffits, etc. including all hangers & brackets:</u>			
57	25mm Diameter pipe.	m	150	
	<u>Extra over galvanised pipes for fittings:</u>			
58	25mm Fittings.	No	30	
	<u>Hose Reels, etc.:</u>			
59	Approved hose reel complete with 30m of 19mm hose all to SABS 543 incorporating 25mm chromium plated gunmetal gate valve and connection for and joint to supply pipe with brackets bolted to wall with and including four 8mm bolts with plate washers built 100mm into brickwork in cement mortar.	No	10	
60	Approved 4,5Kg DCP cylindrical fire extinguisher fixed on and including backing boards to walls.	No	20	
	<u>GLAZING</u>			
	<u>Glazing to Steel with Putty</u>			
	<u>"PG Smartglass", or equal approved, 6mm Low-E X1 standard glass:</u>			
61	Panes exceeding 0,1m2 and not exceeding 0,5m2.	m2	30	
62	Panes exceeding 0,5m2 and not exceeding 2m2.	m2	18	
	<u>"PG Smartglass Intruderprufe", or equal approved, 6.38mm laminated safety glass:</u>			
63	Panes exceeding 0,1m2 and not exceeding 0,5m2.	m2	12	
	Carried to Collection			R
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount
	<u>Mirrors</u>			
64	600 x 400mm "Design House C-MIR-10016", or equal approved, mirror fixed to brickwork.	No	12	
	<u>PAINTWORK</u>			
	<u>Paintwork to New Work</u>			
	<u>Prepare and apply one coat "Plascon", or equal approved, plaster primer and two coats "Plascon Cashmere", or equal approved, paint:</u>			
65	On internal plastered walls, columns, recessed bands, etc	m2	10	
	<u>Prepare and apply one coat "Plascon", or equal approved, metal primer and two coats "Plascon Velvagro", or equal approved, paint:</u>			
66	On door frames	m2	10	
	<u>Sand down, prepare and apply one coat "Plascon", or equal approved, wood primer and two coats "Plascon Velvagro", or equal approved, paint:</u>			
67	On general surfaces of doors.	m2	50	
	<u>Paintwork to Previously Painted Work</u>			
	<u>Prepare and apply two coats "Plascon Cashmere", or equal approved, paint:</u>			
68	On internal plastered walls and projecting columns.	m2	250	
	Carried to Collection			R
	Section No. 2 Bill No. 7 Building Work			

Item No		Quantity	Rate	Amount	
69	<p><u>Clean down, remove rust, prepare and apply one coat "Plascon", or equal approved, metal primer and two coats "Plascon Velvagio", or equal approved, paint:</u></p> <p>On window frames</p>	m2	80		
70	<p><u>Sand down, prepare and apply two coats of "Woodoc 25 Matt", or equal approved, wood sealer:</u></p> <p>On timber floors.</p>	m2	380		
71	<p><u>Clean down, prepare and apply two coats "Cemcrete Creteseal", or equal approved, clear, satin finish PUD/acrylic seal in strict accordance with the manufacturers instructions on:</u></p> <p>Concrete floors.</p>	m2	60		
Carried to Collection				R	
<p>Section No. 2 Bill No. 7 Building Work</p>					

<p>Section No. 2 Bill No. 7 Building Work <u>COLLECTION</u></p>				
<p>Total Brought Forward from Page No.</p>	<p>Page No</p>		<p>Amount</p>	
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<p>Section No. 2 Bill No. 7 Building Work</p>				

Bill No	SECTION SUMMARY - Civil & Building Work	Page No	Amount
1	Demolitions	103	
2	General Siteworks	108	
3	Paving, Kerbs, etc.	119	
4	Stormwater, Sewer, Water Reticulation	133	
5	Street Furniture	140	
6	Seating, Play Areas, Workout Area & Canopies	160	
7	Building Work	173	
Carried to Final Summary			R
Section No. 2			

**BERTHA SOLOMON RECREATION CENTRE
ELECTRICAL INSTALLATION
BILLS OF QUANTITIES**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	BILL NO:1 PRELIMINARY AND GENERAL The tenderer shall allow for whatever cost they may consider necessary for Preliminary and General to carry out the Electrical Installation as detailed in the conditions of contract.				
1.1	Site Establishment	Sum	1		
1.2	Construction equipment	Sum	1		
1.3	Guarantee	Sum	1		
1.4	Insurance	Sum	1		
1.5	Laison with City Power	Sum	1		
1.6	Preparation of As Built drawings	Sum	1		
1.7	Supply Operating and Maintenance manuals for the various electrical components	Sum	1		
1.8	Covid 19 Health and Safety Compliance	Sum	1		
1.9	Any other items not mentioned above (please specify)				
	i)	Sum	1		
	ii)	Sum	1		
	iii)	Sum	1		
	CARRIED FORWARD TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BILL NO:2 - BLOCK A				
1	CONDUIT Supply and installation of PVC/ Galvanised conduit complete with all accessories including couplings, bending and fixings as specified:				
1.1	20mm ϕ - cast in concrete or built in brickwork	m	20		
1.2	25mm ϕ - cast in concrete or built in brickwork	m	20		
2	CONDUIT BOXES Supply and install conduit boxes complete with all accessories including conduit terminations				
2.1	60mm round, 25mm deep for 20mm conduit mounted flush in wall or fixed to surface Outlet boxes excluding covers:	No.	15		
2.2	100mm x 50mm x 50mm conduit box.	No.	5		
2.3	100mm x 100mm x 50mm conduit box.	No.	5		
3	WIRING AND CONDUCTORS Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking:				
3.1	2.5mm ²	m	500		
3.2	4mm ²	m	300		
3.3	6mm ²	m	60		
3.4	2.5mm ² B.C.E.W.	m	400		
3.5	4mm ² B.C.E.W.	m	30		
4	LIGHT SWITCHES Supply, install and connect flush mounted light switch complete with cover plate and all accessories:				
4.1	16A 1 lever 1 way light switch complete with coverplate.	No.	4		
4.2	16A 1 lever 2 way light switch	No.	2		
5	LUMINAIRES Supply, install and connect luminaires mounted as specified, complete with lamps, control gear and all accessories:				
5.1	1200mm surface mounted open channel fluorescent luminaire complete with 39W LED cool white,	No.	8		
5.2	6" Bowl fittings complete with 14W LED bulbs diffuser	No.	10		
5.3	13W LED Wall mounted bulkhead luminaire complete with vandalproof diffuser	No.	4		
CARRIED FORWARD TO NEXT PAGE					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BROUGHT FORWARD FROM PREVIOUS PAGE				
6	SWITCHED SOCKET OUTLETS Supply, install and connect Switched socket outlets mounted flush in wall or in powerskirting as specified, complete with cover plates and all accessories:				
6.1	16A Single switch socket outlet (White)	No.	2		
6.2	16A Double switch socket outlet (White)	No.	5		
7	ISOLATORS Supply and install Isolators mounted as specified complete with cover plate and all accessories.				
7.1	Single Phase Isolator	No.	1		
7.2	Hand Dryer Isolator	No.	1		
8	PROVISIONAL SUMS				
8.1	Earthing and Lightning Protection	Sum	1	R 10 000.00	R 10 000.00
8.2	Add profit & attendance:%	Sum	%		
8.3	CCTV and Security Alarm System	Sum	1	R 40 000.00	R 40 000.00
8.4	Add profit & attendance:%	Sum	%		
8.5	Modification to the distribution boards	Sum	1	R 10 000.00	R 10 000.00
8.6	Add profit & attendance:%	Sum	%		
8.7	Replacement of blown light LED tubes	Sum	1	R 2 500.00	R 2 500.00
	Add profit & attendance:%	Sum	%		
TOTAL CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BILL NO:3 - BLOCK B				
1	CONDUIT Supply and installation of PVC/ Galvanised conduit complete with all accessories including couplings, bending and fixings as specified:				
1.1	20mm ϕ - cast in concrete or built in brickwork	m	100		
1.2	25mm ϕ - cast in concrete or built in brickwork	m	100		
2	CONDUIT BOXES Supply and install conduit boxes complete with all accessories including conduit terminations				
2.1	60mm round, 25mm deep for 20mm conduit mounted flush in wall or fixed to surface Outlet boxes excluding covers:	No.	20		
2.2	100mm x 50mm x 50mm conduit box.	No.	10		
2.3	100mm x 100mm x 50mm conduit box.	No.	5		
3	WIRING AND CONDUCTORS Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking:				
3.1	2.5mm ²	m	500		
3.2	4mm ²	m	300		
3.3	6mm ²	m	60		
3.4	2.5mm ² B.C.E.W.	m	800		
3.5	4mm ² B.C.E.W.	m	30		
4	LIGHT SWITCHES Supply, install and connect flush mounted light switch complete with cover plate and all accessories:				
4.1	16A 1 lever 1 way light switch complete with coverplate.	No.	10		
4.2	16A 1 lever 2 way light switch	No.	4		
5	LUMINAIRES Supply, install and connect luminaires mounted as specified, complete with lamps, control gear and all accessories:				
5.1	1200mm surface mounted open channel fluorescent luminaire complete with 39W LED cool white,	No.	8		
CARRIED FORWARD TO NEXT PAGE					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BROUGHT FORWARD FROM PREVIOUS PAGE				
5.2	6" Bowl fittings complete with 14W LED bulbs diffuser	No.	10		
5.3	13W LED Wall mounted bulkhead luminaire complete with vandalproof diffuser	No.	6		
6	SWITCHED SOCKET OUTLETS				
	Supply, install and connect Switched socket outlets mounted flush in wall or in powerskirting as specified, complete with cover plates and all accessories:				
6.1	16A Single switch socket outlet (White)	No.	9		
6.2	16A Double switch socket outlet (White)	No.	6		
7	ISOLATORS				
	Supply and install Isolators mounted as specified complete with cover plate and all accessories.				
7.1	Single Phase Isolator	No.	1		
7.2	Hand Dryer Isolator	No.	1		
8	PROVISIONAL SUMS				
8.1	Earthing and Lightning Protection	Sum	1	R 10 000.00	R 10 000.00
8.2	Add profit & attendance:%	Sum	%		
8.3	CCTV and Security Alarm System	Sum	1	R 40 000.00	R 40 000.00
8.4	Add profit & attendance:%	Sum	%		
8.5	Modification to the distribution boards	Sum	1	R 15 000.00	R 15 000.00
8.6	Add profit & attendance:%	Sum	%		
8.7	Replacement of blown light LED tubes	Sum	1	R 2 500.00	R 2 500.00
8.8	Add profit & attendance:%	Sum	%		
TOTAL CARRIED FORWARD TO SUMMARY					R 67 500.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BILL NO:4 - BLOCK C				
1	CONDUIT Supply and installation of PVC/ Galvanised conduit complete with all accessories including couplings, bending and fixings as specified:				
1.1	20mm ϕ - cast in concrete or built in brickwork	m	80		
1.2	25mm ϕ - cast in concrete or built in brickwork	m	80		
2	CONDUIT BOXES Supply and install conduit boxes complete with all accessories including conduit terminations				
2.1	60mm round, 25mm deep for 20mm conduit mounted flush in wall or fixed to surface Outlet boxes excluding covers:	No.	10		
2.2	100mm x 50mm x 50mm conduit box.	No.	5		
2.3	100mm x 100mm x 50mm conduit box.	No.	5		
3	WIRING AND CONDUCTORS Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking:				
3.1	2.5mm ²	m	200		
3.2	4mm ²	m	100		
3.3	6mm ²	m	40		
3.4	2.5mm ² B.C.E.W.	m	150		
3.5	4mm ² B.C.E.W.	m	20		
4	LIGHT SWITCHES Supply, install and connect flush mounted light switch complete with cover plate and all accessories:				
4.1	16A 1 lever 1 way light switch complete with coverplate.	No.	6		
4.2	16A 1 lever 2 way light switch	No.	4		
5	LUMINAIRES Supply, install and connect luminaires mounted as specified, complete with lamps, control gear and all accessories:				
5.1	1200mm surface mounted open channel fluorescent luminaire complete with 39W LED cool white,	No.	4		
CARRIED FORWARD TO NEXT PAGE					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BROUGHT FORWARD FROM PREVIOUS PAGE				
5.2	6" Bowl fittings complete with 14W LED bulbs diffuser	No.	6		
5.3	13W LED Wall mounted bulkhead luminaire complete with vandalproof diffuser	No.	6		
6	SWITCHED SOCKET OUTLETS				
	Supply, install and connect Switched socket outlets mounted flush in wall or in powerskirting as specified, complete with cover plates and all accessories:				
6.1	16A Single switch socket outlet (White)	No.	2		
6.2	16A Double switch socket outlet (White)	No.	4		
7	ISOLATORS				
	Supply and install Isolators mounted as specified complete with cover plate and all accessories.				
7.1	Single Phase Isolator	No.	1		
7.2	Hand Dryer Isolator	No.	1		
8	PROVISIONAL SUMS				
8.1	Earthing and Lightning Protection	Sum	1	R 10 000.00	R 10 000.00
8.2	Add profit & attendance:%	Sum	%		
8.3	CCTV and Security Alarm System	Sum	1	R 40 000.00	R 40 000.00
8.4	Add profit & attendance:%	Sum	%		
8.5	Modification to the distribution boards	Sum	1	R 10 000.00	R 10 000.00
8.6	Add profit & attendance:%	Sum	%		
8.7	Replacement of blown light LED tubes	Sum	1	R 1 500.00	R 1 500.00
8.8	Add profit & attendance:%	Sum	%		
TOTAL CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5	BILL NO:5 - AREA LIGHTING				
	Supply, install and connect luminaires mounted as specified, complete with lamps, control gear and all accessories:				
1.1	2x 80W LED Solar flood lights mounted on 10m (MH) galvanised steel stepped pole powder coated matt green with spigot only as detailed in the specifications complete with two fuses, internal wiring, spigot and including pole holes and all other accessories including 250W solar panel and battery.	No	6		
1.2	27W LED post top light fitting complete with 3m stepped fiberglass pole including glandplate and MCB	No	8		
	Modification to the existing floor standing area/security lighting control box including controls	Sum	1		
	Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking:				
1.3	6.0 mm ² 3-core PVC/SWA/PVC Cable	m	80		
1.4	6.0 mm ² 3-core PVC/SWA/PVC Cable Terminations	m	4		
TOTAL CARRIED FORWARD TO SUMMARY					

ITEM	DESCRIPTION	AMOUNT
SUMMARY OF ELECTRICAL WORK		
1	Preliminary and General	
2	Block A	
3	Block B	
4	Block C	
5	Area lighting	
SUB-TOTAL - CARRIED FORWARD TO FINAL SUMMARY		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	BILL NO. 2				
	EARTH WORKS AND SOIL PREPARATION				
2.1	PLANTING MEDIUM				
2.1.1	Topsoil Import and Spread The contractor to provide all necessary a equipment, labor and machinery for import and spread of topsoil. b The topsoil to be free of any building rubble, rocks or plant materials. c Inclusive of all handwork where required. d Compact soils where required, and prevent erosion at all times. IMPORTANT NOTE FOR IMPORT OF TOPSOIL: PAYMENT FOR TOPSOIL WILL ONLY TAKE PLACE ON RECEIPT OF SIGNED e DELIVERY NOTES BY THE LANDSCAPE ARCHITECT PRIOR TO EACH PAYMENT CERTIFICATE. TOPSOIL WILL NOT BE CERTIFIED WITHOUT THE DELIVERY NOTES. f Rate to be all inclusive				
	g 500 mm for planters	m ³	18		
	h 0.34m³ per tree hole	m ³	16		
	i 100 mm layer over lawn areas	m ³	300		
	j Total spreading of topsoil from stockpile on site (for lawn areas)	m ³	300		
	k Total topsoil import and spread on site	m ³	34		
2.1.2	Cut to Fill for levelling, grading and shaping to profiles a Cut to Fill for levelling, grading and levelling in insitu soil to desired profiles anywhere on site as indicated on plan or directed by the Landscape Architect b Soil filling to be sufficiently compacted in 150mm layers to avoid subsidence c Soils to be selected as to requirement d Inclusive of handwork where required e Inclusive of profiling to drainage points or general site drainage				
	f Work measure insitu (contractor to ensure existing soil profiles are measured and controlled prior to work commencing)	m ²	2000		

2.1.3	Scarifying							
	a	Supply all the necessary equipment, tools and labor for scarifying of all areas.						
	b	Rip soil in all areas.						
	c	Depth -- 250 mm.						
	d	Rip in two directions.						
	e	Use hand labour to scarify under trees to ensure that tree roots do not get damaged.						
	f	Contractor to ensure that no services, existing paving or concrete haunching behind curbs, are damaged.						
	g	Remove all unwanted debris and medium to large sized rocks from the scarified soils and use suitable materials for soil berm filling.						
	h	All inclusive rate per square meter.						
	i	Provision for scarifying of planting areas	m²	3035				
2.1.4	Fine grading							
	a	Supply all necessary labor, machinery and equipment for the fine trimming of the planting soils of all areas.						
	b	The contractor must ensure that all areas to be planted are compacted sufficiently to avoid any subsidence later on. Soil surface to be planted should not exceed a tolerance of 30mm in height when measured from the basic topographical line.						
	c	Cultivate fertilizers and compost as supplied elsewhere.						
	d	Provision must be made for proper and effective stormwater drainage.						
	e	Soil erosion should be avoided at all times.						
	f	Stones larger than 40mm in diameter and all foreign material must be removed and used for fill.						
	g	Final surface must be shaped to desired profiles as to flow into levels of roadways and structures.						
	h	No irrigation or storm water should be allowed to puddle anywhere behind the retaining walls or in any of the allocated plant bed areas.						
	i	Provision for planting areas	m²	3035				

2.1.5

Compost import and spreading in plant beds

The contractor to provide all necessary
 a equipment, labor and machinery for import and spread of compost.
 Sample of compost must comply with
 b specification and be approved by the Landscape Architect prior to delivery on site.
 All compost shall consist of well-decomposed
 c organic material, free of detrimental salts, glass, debris, weeds and other toxic impurities.
 d The pH shall not exceed 7.0.
 e Compost shall be protected against excessive rain, wind and dissipation.
 f Payment after planting.
 g Application rate
IMPORTANT NOTE: PAYMENT FOR COMPOST WILL ONLY TAKE PLACE ON RECEIPT OF SIGNED DELIVERY NOTES BY THE LANDSCAPE ARCHITECT PRIOR TO EACH PAYMENT CERTIFICATE. COMPOST WILL NOT BE CERTIFIED WITHOUT THE DELIVERY NOTES.
 h

i	30 mm deep over planting areas	m³	1		
j	15 mm deep over lawn areas	m³	45		
j	0.70m³ per tree hole	m³	34		
k.	Total compost import and spread	m³	46		

2.1.6

Fertilizers

2.1.6.1

Planting tablets for trees

Supply, deliver and apply as per supplier
 a specification AGRIFORM PLANTING TABLETS (or similar product)
 b 21gm: 2 year release
 c Application rate:
 d 8 tablets per tree out of 100liter container or larger
 e 6 tablets per tree out of 50liter container
 f 4 tablets per tree out of 20 liter contrainer
 g 375 g/per tree hole
 h **Total tablets**

No 384

2.1.6.2

Limestone ammonium nitrate over surface

a. Application rate : 15 gm per m² for lawn areas and 25 gm per planting hole for groundcovers
 b. To be spread every 2 weeks after planting
 c. Irrigate well after application
 d. Provision made for 8 applications
 e. LAWN 15gm/sqm
 f. PLANTING 25gm/hole
 h. **8 Applications**

45
 kg 4
 kg 392

	FERTILIZERS				
2.1.6.3	<p><i>Mixture 2:3:2 over planting</i></p> <p>a Application rate : 50 gm per m²</p> <p>b Spread prior to fine trimming.</p> <p>c Working in 200 mm deep.</p> <p>d Payment per m³ after fine trimming</p> <p>e Rate to be all inclusive</p>				
	f 50 g/m² in planting areas	kg	2		
	g 100 g/per tree hole	kg	5		
	h Total	kg	7		
2.1.7	Mulching				
	<p>Provision for supply, deliver and spread of</p> <ul style="list-style-type: none"> - approved mulch over all planting areas except stormwater swales <p>Mulch shall consist of bark chips. The bark chips should vary in size between 7 and 10cm in diameter and should be free of seed or damaging salts and other impurities and with a pH not higher than 7.0. A sample must be submitted to the Landscape Architect for approval</p> <ul style="list-style-type: none"> - All planting areas to be covered with approved mulch - A 50mm thick layer of approved mulch shall be placed around the stems and, thoroughly watered. <p>Rate to be all inclusive</p>				
	a Import and spreading of bark shavings mulching in landscape areas, 50mm layer wood chip mulch over community planter beds (165 m ²)	m ³	2		
2.1.8	Removal + Pruning of trees				
	a Cut down, including removing of stump & roots up to 1m below soil level and chip on site to be used as mulch. The rate must allow for all costs of all herbicide applications, purchases, protective clothing, specialist sub-contractors (if required) and supervision.	No	2		
	b Pruning of existing large trees (withing park fence), by removing dead & damaged branches and crown lifting to minimum 3 meters.	No	10		
Carried to Summary					

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p>BILL NO. 3</p> <p>PLANTING</p> <p>PLANTING (supply, deliver, plant, stake)</p> <p>a Plants</p> <p>Purchase plants at registered nurseries, transport to the site and hold in site nursery until instructed to plant by the Landscape Architect:</p> <ul style="list-style-type: none"> i The contractor must provide for sourcing of plant species countrywide to locally planting requirements. Plants should preferably be sourced ii The landscape architect retains the right to effect any adjustments of specific species if plants are not available or are in the opinion of the landscape architect of poor quality; iii The contractor must before tendering ascertain that plant species are available as specified per the programme and submit proof to this effect; iv All plants must be transported to the site in trucks with closed canopies. Plants in transit may not be exposed to wind or any other harmful elements. v All plants are to be viewed and approved by the Landscape Architect before planting. vi The contractors attention is drawn to the special condition relating to plant procurement and plant inspection as set out under General Conditions of this document. Please read the abovementioned Items carefully prior to pricing of this section of the bill of quantities; <p>Payment after planting.</p>				

<p>vii Plant species are to be as specified below:</p> <p>b Planting:</p> <p>i Refer to planting plan.</p> <p>ii Supply all equipment and labour for planting of trees, shrubs and groundcovers and seeding.</p> <p>iii Backfill with soil, compost and fertilizer to specification and tramp down firmly.</p> <p>iv Remove all surplus soil.</p> <p>v Provide all necessary stakes for trees and secure each tree firmly. Tree stakes (Two per tree): 2500mm High, 50-70 diameter treated eucalyptus support driven 500mm into the soil. Tie each tree to support with two steel wires, per stake, sleeved in a 300mm long plastic hose-pipe section.</p> <p>vi Form pond around trees and shrubs and water well after planting.</p> <p>vii Keep all plants moist.</p> <p>viii Plant sizes and plant densities will be strictly enforced.</p>				
<p>3.1 Specimen Trees out of 200Lcontainers.</p> <p>a Trees: 3000mm stem height and 2000mm wide crown after planting with stem diameter of 80-100mm measured 300mm above soil level.</p> <p>b Contractor to meet the landscape architect to select trees to be used. Colour photo's of the proposed trees must also be supplied to the landscape architect.</p> <p>c Contractor to provide three stakes, anchor wires, and ties per tree as per detail</p> <p>d Contractor to guarantee each tree for a 12 month period.</p> <p>e Supply, plant and maintain.</p>				
<p>f <i>Ilex mitis</i></p>	<p>ea</p>	<p>8</p>		
<p>g <i>Harpephyllum caffrum</i></p>	<p>ea</p>	<p>8</p>		
<p>i <i>Kigalaria africana</i></p>	<p>ea</p>	<p>12</p>		
<p>i <i>Celtis africana</i></p>	<p>ea</p>	<p>12</p>		
<p>Total no. for trees</p>		<p>40</p>		

ITEM NO	DESCRIPTION	UNIT	QUANTITY		AMOUNT
3.2	<p>Shrubs and groundcovers</p> <p>c Plants from seedling trays should be minimum 150 mm high and be well established and full within the containers.</p> <p>d Supply, plant and maintain.</p> <p>e NOTE: THAT NO PLANT SIZE SUBSTITUTIONS ARE ALLOWED</p> <p>f Contractor to guarantee planting for a 3 month period.</p> <p>g Supply, plant and maintain.</p>				
3.2.1	Planting mix 01 : 10 m²				
	<i>Beetroot seedlings @ 6/m²</i>	ea	60		
	<i>Cabbage seedlings @ 6/m²</i>	ea	60		
	<i>Spinach seedlings @ 6/m²</i>	ea	60		
	<i>Carrot seedlings @ 12/m²</i>	ea	120		
	Planting mix 02 : 10 m²				
	<i>Onion seedlings @ 12/m²</i>	ea	120		
	Planting mix 03: 15 m²				
	<i>Pumpkin seedlings @ 3/m²</i>	ea	45		
	<i>Butternut seedlings @ 3/m²</i>	ea	45		
	<i>Celery seedlings @ 12/m²</i>	ea	180		
	<i>Chilli seedlings @ 6/m²</i>	ea	90		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	AMOUNT
3.3	Lawn <i>Kikuyu (Pennisetum clandestinum)</i> Supply, deliver and plan lawn sods: Soil preparation and scarifying included; Inclusive of fertilizer 100% coverage is to be achieved by end of maintenance period.			
	Payment per item completed:	m ²	3000	
	Carried to Summary			

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	BILL NO. 5 MAINTENANCE				
5.1	AFTER COMPLETION MAINTENANCE a Allow for the complete maintenance and establishment of all planted areas, inclusive of: b Application of fertilizers, etc. upon instruction, replacement of plants, all according to the specifications and as may be instructed by the Landscape Architect. c Provision of water car for watering of trees, planting and lawn if needed. d The maintenance period will commence upon issue of the Certificate of Practical Completion e Rate to be all inclusive f Provision for 12 month landscape maintenance on trees (20 no.) and planting (4500m²)	Months	12		
5.2	Replacements & repairs to vandalised irrigation equipment	Unit		RATE ONLY	
5.2.1	NIPPLE BARREL GALV 50MM	each			
5.2.2	VALVE GATE BRASS 50MM	each			
5.2.3	50MM BSP P.R.VALVE 430MM X 300MM RECT GALVANISED STEEL LOCKABLE VALVE BOX	each			
5.2.4	SAB 50X2in COMP MALE ADAPTOR	each			
5.2.5	SAB 50MM COMPRESSION TEE	each			
5.2.6	50MM PN08 HDPE PIPE SANS PE100	m			
5.2.7	SAB 50MM COMP COUPLING	each			
5.2.8	SAB 50MM COMP ELBOW	each			
5.2.10	SAB 50MM COMPRESSION TEE	each			
5.2.11	SAB 50X1 HIGH PRESSURE SADDLE EMJAY PP MALE/FEMALE ELBOW 1" (25MM)	each			
5.2.12	BSP	each			
5.2.13	FULL/PART CIRCLE IMPACT SPRINKLER 600MM HIGH GALVANISED TRIPOD FOR SPRINKLERS	each			
5.2.14	PVC BALL VALVE COMPACT BSP THR 1	each			
5.2.15	250MM RECT GALVANISED STEEL LOCKABLE VALVE BOX	each			
5.2.16	AQUA 25 PLASTIC TURF VALVE	each			
5.2.17	AQUA PLASTIC TURF VALVE KEY	each			
5.2.18	EMJAY COMB. FEMALE ELBOW 20MM X 3/4"	each			
5.2.19	CLAMP HOSE CLASS 6 20MM (2027)	each			
5.2.20	20MM X 25M DRAGLINE M-DUTY BLACK	each			
5.2.21	3/4in SNAP ON HOSE CONNECTOR	each			
5.2.22	SNAP ON SPRAY NOZZLE	each			
5.2.23	SAB 50X1 HIGH PRESSURE SADDLE EMJAY PP MALE/FEMALE ELBOW 1" (25MM)	each			
5.2.24	BSP	each			
5.2.25					
5.3	Replacement plants Supply & plant trees - 200l, 2.5m high of locally available species Supply and plant groundcovers - 2l of locally available species Supply and plant instant lawn - Kikuyu Prune up mature trees against buildings Cutting of in-situ sods for replanting elsewhere on site	Unit each each m² each m²		RATE ONLY	
Carried to Summary					

<u>SOFT LANDSCAPE SUMMARY</u>		Page No.		Amount
Bill No.				
1	Miscellaneous Items			
2	Earthworks and Soil Preparation			
3	Planting			
4	Irrigation			
5	Maintenance			
Carried to Final Summary				

<u>FINAL SUMMARY</u>		Page No	Amount
Section No			
1	Preliminaries & General	100	
2	Civil & Building Work	174	
3	Electrical Installation	183	
4	Landscaping Installation	195	
	Sub-Total		R
<u>Main Contractor Profit & Attendance on SMME Work</u>			
	Value of SMME Work (30% of the full scope of work)		
	Main Contractor Profit & Attendance (___%)	%	R
	Sub-Total		R
	ADD VAT @ 15%		R
	Total Inclusive of VAT Carried to Form of Offer		R

PART C3: SCOPE OF WORK**1.1 Description of the Works**

- 1.1.1 Employer's objectives
- 1.1.2 Overview of the works
- 1.1.3 Extent of the works
- 1.1.4 Location of the works
- 1.1.5 Temporary works
- 1.1.6 Access

1.2 Engineering

- 1.2.1 Design services and activity matrix
- 1.2.2 Employer's design
- 1.2.3 Design brief
- 1.2.4 Drawings
- 1.2.5 Design procedures

1.3 Procurement

- 1.3.1 Requirements
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1.4 Construction

- 1.4.1 Works specifications
- 1.4.2 Plant and Materials
- 1.4.3 Construction Equipment
- 1.4.4 Existing services
- 1.4.5 Site establishment
- 1.4.6 Site usage
- 1.4.7 Permits and way leaves
- 1.4.8 Alterations, additions, extensions and modifications to existing works
- 1.4.9 Inspection of adjoining properties
- 1.4.10 Water for construction purposes
- 1.4.11 Survey control and setting out of the works

1.5 Management

- 1.5.1 Management of the works
- 1.5.2 Health and safety
 - 1.5.2.1 Specification for Occupation Health and Safety in Construction Works Contracts

PART C3: SCOPE OF WORK**1.1 DESCRIPTION OF THE WORKS****1.1.1 Employer's objectives**

The Johannesburg Development Agency's objective is to upgrade the existing facilities at Oval Park.

1.1.2 Overview of the works

The work includes (but is not limited) to the following key components:

- Paving upgrade and creation of new pathways
- Stormwater pipes and kerb inlets
- Sewer reticulation and new manholes
- Water reticulation including new fire hydrants
- Bulk earthworks
- Kids play area
- 5-a-side soccer field
- Workout area including outdoor gym
- Seating areas including new steel canopies
- Fencing
- Landscaping
- Lighting
- Street furniture
- Refurbishment work to 3 existing buildings

The project is **intended** to start in mid March 2020 & is to be completed within 6 calendar months of the start date.

1.1.3 Extent of the works

The extent of Civil Works includes but is not limited to the following:

- Demolition: Demolition and spoiling or stockpiling (as per instruction) of existing gravel and grassed areas, road pavement, trees, foliage, street signs, bins, benches and other street furniture, removing all rubbish, debris, building rubble, random bricks and paving bricks, rocks, boulders, stormwater pipes, etc.
- Services: New stormwater network.
- Layerworks: Construction of layerworks from insitu and imported materials as well as the stabilisation (lime or cement) thereof.
- Kerbing and Channeling: Construction on precast kerbing and cast insitu channels and edge beams, and the construction of driveways, wheel chair and access ramps.
- Paving and Surfacing: Construction of patterned block paving as specified by the architect to accommodate pedestrian and / or vehicular traffic.
- Building Works: Construction of brick retaining walls and planters and Conversion of an existing building to ablution facilities and a caretakers unit.

1.1.4 Location of the Works

Morduant Street, Jeppestown, Johannesburg.

1.1.5 Temporary Works

The contractor is to design, supply, construct, demolish and spoil at his own cost any temporary works required in order to carry out the construction works as required.

As the Works are to be constructed within a built up urban area, the Contractor will be required to carry out all temporary works that will be necessary to maintain the flow of traffic and to ensure that pedestrian and vehicular access is maintained to local residential buildings and businesses.

1.1.6 Access

It is a requirement of this Contract that the Contractor ensures that all residents have access to their properties after hours and on weekends; all businesses are to have access during business hours. The Contractor is to implement temporary measures / deviations as required in order to achieve this outcome. Prior to the implementation of any deviation, written permission for such deviation shall be obtained from the Engineer. The Contractor shall advise all residents, community leaders and other stakeholders at least 2 weeks prior to the commencement of construction activities in an area. The Contractor is to employ a Community Liaison Officer in conjunction with the community structures in the area in order to achieve this outcome

The construction camp and works area must be watered during dry and windy conditions to control dust fallout. Dust production must be controlled by regular watering of roads and the works area. Contractors are to ensure that dust production at the site camp as well as the works area is controlled during working hours as well as during weekends.

1.2 ENGINEERING

1.2.1 Design Services & Activity Matrix

The following parties are responsible for the various design stages of the project.

DESCRIPTION	RESPONSIBLE
Concept, feasibility and overall process	Employers Agents / Professional Team
Basic Principal Agent and Preliminary Design	Employers Agents / Professional Team
Final design to approval for construction stage	Employers Agents / Professional Team
Temporary Works	Contractor
Preparation of as built drawings	Employers Agents / Professional Team / Contractor

1.2.2 Employers Design

All permanent works required for construction shall be designed by the employer and his appointed agents / professional team.

1.2.3 Design Brief

The Employer has briefed the consultants as to the design requirements.

1.2.4 Drawings

The drawings included on the CD/s attached to this document are as per the drawing register appearing in the CD/s attached. Contractors are to ensure that all drawings attached to this document are as per the drawing register. The drawings included with the tender document are for information and tender purposes only. Detail construction drawings will be issued to the contractor at site handover and revisions thereto during the construction stage of the project.

Refer to drawing register on CD/s attached.

The Contractor will be supplied with three (3) copies of each of the construction drawings. These copies will be issued free of charge and the contractor shall make any additional prints he may require at his own cost.

The drawings included with the tender document are for information purposes only. Detail construction drawings will be issued to the contractor at site handover and revisions thereto during the construction stage of the project.

Only figured dimensions shall be used and drawings are not to be scaled unless so instructed by the principal agent. The principal agent will supply any figured dimensions, which may have been omitted from the drawings.

All drawings and documents are to be considered the sole property of the Consultants and are to be returned to them on completion of the Works. The drawings, etc., are to be used by the Contractor for the purpose of this Contract only. All drawings must be properly cared for, protected and kept in good condition.

Should any part or parts of the Drawings, Specifications or Bills of Quantities not be clearly intelligible to the Contractor, or the material or articles to be used in the execution of the Works be considered insufficiently described or the manner in which the work is to be carried out not be clear, the Contractor must obtain from the Principal Agent the necessary information to clarify such Drawings, Specification, Bills of Quantities or instructions which request shall be in writing.

The Contractor shall be held solely responsible for and shall, at his own expense, rectify any errors arising out of incorrect interpretation of the Drawings, Specifications, Bills of Quantities or instructions.

Upon receipt of detail drawings for any work, the Contractor shall, before putting that work in hand, ascertain that the dimensions given on the detail drawings correspond with the dimensions of any work already built and which governs the sizes of any work for which details are now issued.

In the event of the detail drawings not agreeing with the works already built, the discrepancy shall be brought to the Principal Agent's attention timeously and the detail drawings shall be returned at once for alterations.

All dimensions will be figured on the drawings or may be calculated from figured dimensions and are always to be followed. No dimensions shall be obtained by scaling.

1.2.5 Design Procedures

Where the Contractor is required to design any sub-contract or specialist works, the relevant professional indemnity must be taken out at the contractor's costs. All shop drawings must be issued timeously for approval by the Principal Agent. A late issue of shop drawings by the Contractor will not constitute a valid claim for extension of time.

1.3 PROCUREMENT

1.3.1 Requirements

The contractor shall be required to adopt labour based techniques through the full spectrum of the works with the proviso that the Employers specific objectives regarding TIME & QUALITY are in no way compromised. **Maximization of employment shall be of the essence on this contract.**

Together with their tenders, all Tenderers are required to submit a comprehensive **implementation plan** clearly stating the labour content & number of jobs that shall be created.

The employment of labour shall be reflected in a programme in sufficient detail to enable the Project Manager to monitor & compare it with the implementation plan.

Tenderers are to note that it is an explicit condition of this tender that all unskilled labourers on the project are to be employed from the local community. It is also a condition of this tender that the successful contractor is required to sub-contract a minimum value of work to local SMME's equal to 30% of the contract sum. Such work must be clearly identified in the SMME Plan which plan will be considered in the functionality assessment of the tender evaluation process. Furthermore, it is a condition of this tender that the successful contractor is required to take full responsibility of managing all appointed sub-contractors and the quality of their works.

The Contractor shall in general, maximise the involvement of the local community.

The minimum number of jobs created on this contract shall be 8.08 jobs for every one million rand of the contract sum wherein: one job created is defined as 55 working days. This target applies to the Contractor's labourers and local labourers and to the sub-contractor's labourers.

The Contractor shall be required to submit employment and SMME data on a monthly basis to the Project Manager.

The Contractor and all sub-contractors including local SMME's will be required to pay labour rates which are in accordance with SAFCEC rates, including any future annual inflation adjustments.

The JDA reserves the right to reject bids that are deemed to be non-market related especially for the portion of works to be executed by the local SMME's.

1.3.2 Subcontracting SMME's – Special Conditions of Contract

Participation and Advancement of Start-Up, Small and Micro Enterprises, and the SMME programme.

The City of Johannesburg has identified job creation and access to procurement opportunities by Start-ups, Small and Micro enterprises (SMMEs) as an essential requirement towards building an economically viable City. In this regard the following definitions are applicable:

“Start-up Enterprises” means an enterprise that has been in existence and operating for less than two years.

“Small Enterprises” means an enterprise that has a CIDB grading designation of 1 or 2.

“Micro Enterprises” means an enterprise that has a CIDB grading designation of 3.

“Locally based SMMEs” means enterprises that have their operational base in the ward in which the project is to be executed or, alternatively, the members of the enterprise are resident in the particular ward. Should suitable locally based SMME contractors as defined above not be available in the particular ward, then they shall be sourced from adjacent wards.

The form of contract to be used with SMMEs is the GCC sub-contract agreement. The Contract Data must record the specific requirements in respect of penalties, retention and payment. With regard to the latter, the Contractor is to allow for fortnightly certificates from the SMMEs and for payment to the SMMEs to be effected within 7 days of certification.

It is intended that fortnightly payments to the SMME's will be as follows:

- Payment 1 – for the SMME to pay suppliers for material/plant, subject to the necessary proof being furnished;
- Payment 2 – for SMME's to pay labourers employed, subject to the necessary proof being furnished and upon receipt of proof of payment of suppliers;
- Payment 3 – for any balance due based on a valuation done of works completed, upon receipt of proof of payment of labour.

The contractor will be expected to pay SMME's full rates as submitted by the contractor to the JDA.

Above this, it is a condition of this contract that should the contractor fail to pay the SMME's with no valid reason/s, the JDA reserves the right to pay the SMME's directly and deduct same from any amount paid to the contractor.

In order to achieve the goals of this policy and to ensure that the SMMEs are treated fairly and given every opportunity to advance their business whilst delivering a successful project, the Contractor is to note the following and provide for any cost that may be associated therewith.

1. The bill of quantities identified for implementation by the SMME's is to provide for market related P&G items in order that the SMME may be compensated for any unforeseen delays or events that impact on his ability to complete his works. The Contractor shall subcontract the local SMME works at the Contractor's tendered rates. **It is to be specifically noted that the rates for items of work to be executed by SMME's must be market related. Tenderers are to ensure that rates tendered for this portion of the works is to take into account all items that the main contractor would have allowed for in his normal course of pricing, i.e. materials, labour, wastage, profit, attendance, etc. all at applicable productivity rates.**

2. The Contractor will be expected to have clearly specified the programme dates to the SMME sub-contractor and these dates are to be included in the contract of agreement between the two parties. The Contractor is to monitor the SMME sub-contractor's progress against the programme and hold progress meetings with the SMME sub-contractor where minutes are to be kept and signed off by both parties.

3. The Contractor is to assess the skills of the SMME sub-contractor and provide the relevant support and training where it is necessary in order for the SMME sub-contractor to complete the works to programme, budget and specification. The Contractor will be expected to provide on-site training to the SMME sub-contractor that will ensure that the SMME sub-contractor's staff is suitably trained to execute the works and that they receive sufficient relevant experience on the project. The Contractor will be expected to explain to and train the SMME's on how the BoQ rates were built up.

4. The Contractor is responsible for safety compliance on the project and will assist the SMME sub-contractor in all aspects to achieve safety compliance, that will include:

- a) Assisting the SMME sub-contractor with developing their safety files, legal appointments, etc.
- b) Assisting the SMME sub-contractor with achieving safety on site.
- c) Having tool box talks with the SMME sub-contractor employees on a daily basis.
- d) Providing all safety equipment and signage.
- e) Providing safety training where necessary.

5. The Contractor is to provide all the necessary equipment for the timeous monitoring and the checking of the quality of works as carried out by the SMME sub-contractor. The Contractor will be expected to monitor the SMME sub-contractor's works for quality compliance and provide all the necessary support to the SMME sub-contractor in order to achieve quality requirements. The Contractor is to ensure that if the SMME sub-contractors quality of works does not achieve specification the Contractor will assist the SMME sub-contractor to achieve specification and not allow the works to continue until the quality requirements are achieved.

6. The Contractor is to generate monthly reports for the JDA that includes the following:

- a) SMME sub-contractor resources on the site, i.e. supervisors, labour, plant tools and equipment
- b) SMME sub-contractor progress of works on site.
- c) SMME sub-contractor quality control on site.
- d) SMME sub-contractor expenditure on the project versus target expenditure.
- e) Copies of minutes of the SMME sub-contractor and Contractor progress meetings.
- f) Concerns and improvements to be made.

The Tenderers are to price the works to achieve full compliance with the above requirements. Tenderers are to ensure that they allocate a dedicated individual to manage the SMME's and fulfil the requirements stated above. Failure of the Contractor to achieve these requirements may result in the JDA enforcing compliance by appointing 3rd parties if necessary to assist and deducting all reasonable costs for achieving compliance from money due to the Contractor.

The SMME supervisor will be required to conclude a scorecard with the JDA. Said scorecard will encompass four key performance areas and several key performance indicators as outlined overleaf. The SMME supervisor will be required to score a minimum of 95%. The scorecard review will take place on a monthly basis.

Key Performance Areas	(a) Key Performance Indicators
1) Safety	(a) Be familiar with and ensures SMME Contractor enforces the safety specs and relevant OHSA (b) Reporting of incidents and accidents <ul style="list-style-type: none"> • Ensures SMME Contractor Reports incidents and accidents to the Contractor on the day they occur
2) Quality Control	(b) Setting out of the Works <ul style="list-style-type: none"> • Ensures that the Works have been set-out correctly prior to construction commencing (c) Monitoring of Construction <ul style="list-style-type: none"> • Examine the Works daily and pre-empt unnecessary work by the SMME Contractor by warning him of incorrect workmanship as soon as it is identified (d) Approval of the Works <ul style="list-style-type: none"> • Assist SMME Contractor in the works approval process (e) Read Drawings <ul style="list-style-type: none"> • Assist SMME Contractor in reading and interpreting construction drawings
3) Financial	(a) Daily Costing <ul style="list-style-type: none"> • Ensures that SMME Contractors do daily costing (b) Variances to Scope <ul style="list-style-type: none"> • Assist SMME Contractors identify and claim for additional works (c) Standing Time Costs <ul style="list-style-type: none"> • Assist SMME Contractors compute and Claim standing time costs

Key Performance Areas	(a) Key Performance Indicators
4) Site Administration and Progress Monitoring	(a) Communication <ul style="list-style-type: none"> • Ensures that SMME Contractors communicate with the Contractor in writing on site related issues (b) Reporting <ul style="list-style-type: none"> • Ensures that the Main Contractor's progress report is communicated with the SMME Contractors and that contingency plans are followed through (c) Site diary <ul style="list-style-type: none"> • Ensures SMME Contractors maintain a site diary (d) Claims <ul style="list-style-type: none"> • Assist SMME Contractors draft claims for Extension of Time where applicable (e) Quantities <ul style="list-style-type: none"> • Assist SMME Contractors in the measurement of the works

Following from the above, the SMME's to be contracted on the project must be selected from a database which will be issued to the appointed contractor on the commencement date of the contract. The data base will include for SMME that are youth, women owned, disabled and ex-combats. The contractor will be expected to give preference to SMME's that comply with all/most of these groups. The following information must be provided by said contractor within 14 days of the commencement date of the contract.

1. Detailed approach and methodology on the employment of local SMME's
2. SMME/s company name/s to be employed on the project.
3. SMME contact persons
4. Works to be executed by SMME/s
5. Programme (anticipated start, duration and end dates) applicable to the works defined in item 4 above.
6. Estimated value of the works identified in item 4 above.

The onus is on the Contractor to prove to the Employer that no fully fledged SMMEs are active in the area of the project. In this case, the contractor can source SMME's from adjacent wards and must submit a proposal with his tender on how he intends to advance the growth of the SMME's in the project ward.

JDA reserves the right to withdraw its acceptance of offer, should the appointed contractor fail to satisfactorily address the above requirements (1 to 6) within 14 days of the commencement date of the contract. Approved documentation will form part of the contract.

Failure of the Contractor to achieve the requirements set-out in this tender document during construction may result in the JDA enforcing compliance by appointing 3rd parties if necessary to assist and deducting all reasonable costs for achieving compliance from money due to the Contractor.

Should the contractor, at Practical Completion, be in default by non-attainment of the above-mentioned labour intensive targets and SMME requirements, the Employer shall have the right to, without prejudice of any other rights, apply a penalty not exceeding 5% of the contract sum

1.4 CONSTRUCTION

1.4.1 Works specifications

Applicable national and international standards

SANS 1200; Model Preambles for Trades (2008 Edition).

Particular / generic specifications

Works are to be carried out in accordance with the construction drawings and according to the Johannesburg Development Agency, Johannesburg Roads Agency and City of Johannesburg's norms and standards.

Certification by recognized bodies

None Applicable.

1.4.2 Plant and Materials

The contractor shall ensure that adequate plant and materials are procured at his own cost and available as required in order to complete the works as specified in line with the contract programme. The contractor shall supply a report to the Principal Agent on a fortnightly basis as to the plant and materials on site (or on order), and their utilization in relation to the construction programme.

There is no guarantee given or implied that the Contractor will be permitted to utilise any or all of the plant he proposes to use in the construction of the Works.

1.4.3 Construction Equipment

The contractor shall ensure that adequate construction equipment is available at his own cost as required in order to complete the works as specified in line with the contract programme. The contractor shall supply a report to the Principal Agent on a fortnightly basis as to the construction equipment on site and their utilization in relation to the construction programme.

There is no guarantee given or implied that the Contractor will be permitted to utilise any or all of the equipment he proposes to use in the construction of the Works.

1.4.4 Existing Services

All known existing services and those services which require relocation and protection, are shown on the services plans. The Contractor's attention is drawn to the fact that such services information is based on information supplied by others, and accuracy and completeness of this information has not been confirmed. The contractor will therefore be required to proceed with extreme caution in order to avoid damage to existing services.

In general, the engineer may call upon the contractor to re-excavate trenches previously dug and backfilled by others where in the opinion of the engineer such work is necessary to ensure the stability of any other works over such trenches. This in no way relieves the contractor of his responsibilities in term of the works.

1.4.5 Site Establishment

The Contractor shall make available temporary facilities necessary for providing the works which are not provided by the Employer including telecommunications, security services, medical, fire protection, sanitation and toilets, waste disposal, etc.

The contractor shall not make any changes to the senior management relative to the agreement without the principal agent's express written approval.

Services and Facilities Provided by the Employer:

- Nil

Facilities Provided by the Contractor:

- The contractor is to provide facilities, necessary to complete the project as specified.
- The contractor is to provide suitable hoarding to the entire site for the entire duration of the project to meet the Principal Agent's requirements. Including any necessary making good upon completion.

Storage and Laboratory Facilities:

- The contractor is to provide facilities, necessary to complete the project as specified.

Other Facilities and Services:

- The contractor is to provide facilities, necessary to complete the project as specified.

Vehicles and Equipment:

- The contractor is to provide vehicles and equipment necessary to complete the project as specified.

Advertising Rights:

- The contractor may not place any advertising boards or the like on the site or in any public area without the express written permission of the employer.

Notice Boards:

- The contractor must place a contract notice board outside his site camp as specified by the employer.

Office Accommodation for Meeting Room:

- The contractor must provide a meeting room to accommodate a maximum of 20 people. The meeting room is to be air-conditioned.
- The contractor must provide an air-conditioned office space for the engineers for construction monitoring.

1.4.6 Site Usage

The contractor will have unlimited access to the site, however all construction activities are to comply with the City of Johannesburg's by laws. The accommodation of vehicular and pedestrian traffic on the site is to be maintained at all times.

The contractor is to allow for the accommodation and diversion of pedestrian traffic in his preliminaries & general items all in accordance with the South African Road Traffic Signs Manual, The Occupational Health & Safety Act & The Construction Regulations as amended, including on-going liaison with the traffic authorities and management of traffic, alterations to kerbing and landscaping, barricading road entrances, temporary signage, dust screens, painting of lines, etc. The traffic accommodation proposal shall be approved by the Principal Agent prior to the execution of the works.

The contractor is to maintain temporary accesses to all businesses during business hours and to all residential properties outside of business hours. In the event that the contractor cannot maintain access to residents' properties for vehicular parking and the like, the contractor is to provide alternative secure parking for residents at his own cost. Similarly, should residents be forced to park on the street due to construction activities, the contractor shall provide security personnel to guard the resident's vehicles.

The cost hereof shall be included in the contractor's preliminaries & general items.

1.4.7 Permits and wayleaves

Wayleaves shall be supplied by the contractor. Contractors are to comply with the terms and conditions of the wayleaves as supplied by the various service provider departments.

1.4.8 Alterations, additions, extensions and modifications to existing works

The works at tender stage are not finalised and are subject to change in their entirety.

1.4.9 Inspection of Adjoining Properties

Contractors are to ensure that adequate inspections of adjoining properties are carried out (and records are kept thereof) to ensure that any claims received from adjoining properties due to damage can be dealt with decisively. The settlement of any claims in this regard shall be dealt with in terms of the policies in place by the City of Johannesburg. Photographs must be taken to document the inspection.

1.4.10 Water and Electricity for Construction Purposes

The contractor is to make his own arrangements for the supply of water for construction purposes and his own domestic usage.

The same principle applies to electricity.

1.4.11 Survey Control and setting out of the works

By the Contractor

1.5 MANAGEMENT

1.5.1 Management of the Works

The Contractor is to provide suitably qualified and experienced personnel to manage the works. The Contractor will be expected to provide CV's of his proposed site management personnel for the Principal Agents review and approval.

Should the Principal Agent believe that the proposed site personnel not be sufficiently qualified and/or experienced to do the works, be this at CV review, or later into the contract, then the Contractor will be expected to replace this person/s, or provide additional persons to manage the works, and that this will be done at the Contractors own expense.

Should the Contractor fail to follow this instruction, then the Principal Agent will be entitled to place the Contractor on notice to rectify the situation in terms of the contract.

1.5.1.2 Planning and Programming

1.5.1.2.1 Work plan

Fourteen (14) days prior to commencing with any part of the Works, the Contractor shall submit to the Engineer, for review and approval, a work plan detailing the procedure and schedule to be used to execute such works, detailing and substantiating any deviation from the originally proposed approach.

Further, the work plan shall include a:

- a) time frame;
- b) description of all equipment and tools to be used;
- c) list of personnel and their qualifications and experience (including back-up personnel in the event that an individual is unavailable);
- d) list of sub-contractors, schedule of work activity;
- e) safety plan (clearly highlighting any potentially hazardous substances to be used);
- f) traffic accommodation/control plan (if applicable);
- g) an environmental protection plan; and
- h) contingency plans for possible problems.

The approval given by the Engineer shall in no way relieve the Contractor of the ultimate responsibility for the satisfactory completion of the work as prescribed under this Contract

Work plans shall be comprehensive, realistic and based on actual working conditions. Further it shall form the various sub-sections of the overall Contract programme and plan

NOTA BENE: No works shall be allowed to commence without an approved work plan.

1.5.1.2.2 Planning

The Contractor shall ensure that he delivers goods and services timeously to meet the Employer's prevalent performance standards and where applicable to not unnecessarily delay any other contractors, service providers and suppliers.

1.5.1.3 Programming

In order to ensure a clear understanding, at the inception of the Contract, of the programming and documentation format requirements, the Contractor shall appoint a project programmer/ planner for liaison during the Contract. The Contractor shall for the Contract Period provide and regularly update (maximum monthly) a Contract Programme.

The programme shall at minimum contain:

JDA GCC

- a) Time Scale (minimum):
- i. Days, where the period does not exceed three months. Weeks, where the project period exceeds three months.
 - ii. Months, where the period does not exceed one year.
 - iii. Years, where the project period exceeds one year.
- b) Tasks: Where phases or stages are anticipated, this shall be the highest level of division and all tasks related to the successful accomplishment of that phase of the area shall be grouped. Resources allocation and task dependency shall be indicated.
- c) Start and Finish Dates: All tasks shall have specific start and finish dates.
- d) Critical Path: All tasks forming the programme line that will establish any delays in the overall Contract Period shall be clearly indicated and an indication of their sensitivity characteristics shall be provided.
- e) Progress Tracking: The Contractor shall be required to periodically indicate progress per task graphically and on a percentage basis.
- f) Non-working Time: All South African public holidays, weekends and the local traditional annual builder's break shall be incorporated in the programme.

No deviation from the approved sequence of construction shall be accepted without prior written approval.

The programme shall not be in the form of a bar chart only, but shall show clearly the anticipated quantities of work to be performed each month, together with the manner in which the listed plant is to be used, as well as the anticipated earnings for the various sections of work.

NOTA BENE: A Contract programme shall be submitted no later than Fourteen (14) days after Commencement Date.

The Contractor shall provide the Engineer with a method statement indicating the manner and sequence in which he intends to construct the works, for each work area (and SMME contractor), with the program. In the method statement the Contractor must address at minimum the following items:

- a) sequence of the works for the relevant works area;
- b) target dates for the tasks identified in sequence of the works for the relevant works area;
- c) materials requirements;
- d) construction plant to be used;
- e) services affecting construction; and
- f) any factors that could affect construction progress after commencement.

The method statement must be approved by the Principal Agent before commencement of construction. In order to minimize the impact on traffic, pedestrians and business the Contractor shall be required to segment the works in such a manner that no portion of the works is more than one day ahead of the following position. These segments of the works shall be clearly defined in the Contractor's method statement for each work area.

If, during the progress of the work, the quantities of work performed per month fall below those shown on the program or if the sequence of operations is altered, or if the program is deviated from in any other way, the Contractor shall, within one week after being notified by the Engineer, submit a revised program.

If the program is to be revised by reason of the Contractor falling behind his program, he shall produce a revised program showing the modifications to the original program necessary to ensure completion of the Works or any part thereof within the time for completion. Any proposal to increase the rate of work must be accompanied by positive steps to increase production by providing more labour and plant on the Site, or by using the available labour and plant in a more efficient manner.

Failure on the part of the Contractor to submit or to work according to the program or revised program shall be sufficient reason for the Employer to take steps as provided for in the Contract.

The approval by the Engineer of any program shall have no contractual significance other than that the Engineer would be satisfied if the work is carried out in accordance to such program and that the Contractor undertakes to carry out the work in accordance with the program. It shall not limit the right of the Principal Agent to instruct the Contractor to vary the program should circumstances make this necessary.

1.5.1.4 Software application for programming

The construction programme shall be completed in Microsoft ® Project Standard 2013 or compatible software and always submitted with an accompanying PDF copy. The construction programme and updated versions thereof shall be made electronically available to the Principal Agent.

1.5.1.5 Methods and Procedures

The methods and procedures for the execution of the works shall be in accordance with the standard specifications and the variations and additions thereto.

1.5.1.6 Key Personnel

The Contractor shall provide the following minimum key staff:

- a) Contracts Manager;
- b) Site Agent, who shall have **minimum 10 years** of related project works experience, with minimum qualification of a BTech in the Built Environment.
- c) General foreman;
- d) Health and Safety Officer/s; and
- e) **SMME Supervisor. SMME Contractor assigned Supervisor will be expected to able to assist the** SMME contractors interpret construction drawings and instructions, logical and compressively scheduling the SMME contractors assigned works, track works execution progress, optimising labour and plant utilisation, identify areas for progress and works quality improvements, highlight aspects of health and safety and environmental compliance requirements, compile and update daily works schedule for issue to the Engineer, assist SMME contractors to perform works measurements and compile payment certificate, perform a practical completion inspection and track completion of identified snag items.

Nota Bene: No key staff shall be removed from the Contract prior to issue of Completion Certificate without written request (clearly stating the reason, cost reductions and confirming no impact on the successful completion of the Works) by the Contractor and without written acceptance by the Engineer.

1.5.1.7 Daily Records

The Contractor shall keep daily site records as required by the Employer or his representative and as specified herein.

Daily records shall include, labour, plant, materials, rainfall, environmental issues, health and safety issues, daily diary, and the like. Such records shall be the property of the Employer and shall be made available to the Employer or his representative within 24 hours from being requested to do so. Additionally the Contractor shall submit to the Engineer's Representative, at the end of each day, a 1-page report per works area (and thus per SMME and the Contractor's own works), clearly indicating the works completed for the day based on what was planned to have been completed for the day and the planned works for the next day.

Typically the report shall be in table format and contain at minimum the following:

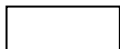
Works Area:	<i>Example: Ripley Street</i>	Assigned Implementing Agent:	<i>Example: Contractor</i>		Date:	
Planned Works	Targeted Quantities	Achieved (Quantities)	Reasons for deviations (positive or Negative)	Planned Works for Next work day	Targeted Quantities	Resources
<i>Example: Clear and grub</i>	<i>Example: 100m²</i>	<i>Example: 80m²</i>	<i>Example: CLO and/or councillor intervention required at 5 properties</i>	<i>Example: Clear and grub</i>	<i>Example: 20m²</i>	<i>Example: 5 labourers, hand tools and bakkie</i>
<i>Example: Removing of existing concrete surfaces</i>	<i>Example: 20m²</i>	<i>Example: 0m²</i>	<i>Example: Concrete breaker not delivered by supplier</i>	<i>Example: Removing of existing concrete surfaces</i>	<i>Example: 20m²</i>	<i>Example: 5 labourers, compressor, breaker, hand tools and bakkie</i>
<i>Example: Removing of existing concrete paving blocks</i>	<i>Example: 40m²</i>	<i>Example: 40m²</i>	<i>Example: Not applicable</i>	<i>Example: Removing of existing concrete paving blocks</i>	<i>Example: 0m²</i>	<i>Example: None</i>
<i>Example: Removing of existing concrete paving blocks</i>	<i>Example: 75m²</i>	<i>Example: 125m²</i>	<i>Example: Resources from clear and grub and concrete removal teams reassigned</i>	<i>Example: Removing of existing concrete paving blocks</i>	<i>Example: 0m²</i>	<i>Example: None</i>

SMME Contractor Name: _____

SMME Contractor Signature: _____

Contractor Assigned Supervisor Name: _____

Contractor Signature: _____



1.5.1.8 Monthly Report

The Contractor shall report on a monthly basis on:

- a) Construction progress achieved, supported with an updated project programme (as per 1.5.1.3), reasons for deviation from programme and plans to regain on lost time.
- b) Expenditures achieved on SMME contractor, supported by financial SMME account statement.
- c) Expanded Public Works Programme statistics.
- d) Test results for all works (including SMME contractors) completed during the months, with clear indication of areas to be reworked due to non-compliance to project specifications.
- e) Plant and equipment, clearly showing effective usage per day for the month, ie typically a usage percentage of the reporting period.
- f) Materials, including material on site, materials available from suppliers (i.e. the supplier has materials in stock for the project or will meet project demands), and quality of materials (compliance with issued specification, i.e. block colours and strength).
- g) Training achieved, including formal and informal training sessions.
- h) Cash flow projections, taking into account already expended values (as per clause 5.6.2.6 of the General Conditions of Contract).

*NOTA BENE: Failure on the part of the Contractor to submit any of the above reports on the **25th day of each month** (or the previous work day for the applicable month) until the issue of the Certificate of Completion shall give effect to a penalty, which shall not be reversible.*

1.5.1.9 Security

The Contractor shall be responsible to provide security on site(s) as he deems necessary. The Employer shall not be held responsible for any loss or damage(s) suffered by the Contractor, his plant, equipment, materials, subcontractors or employees as a result of a security incident of any nature.

Proper written agreement(s) shall also be provided detailing the security roles and responsibilities between the Contractor and targeted SMME contractors. Where no such agreements is provided within **14 days of Contract commencement**, it shall be understood that the Contractor assumes full liability, including SMME Contractor works, equipment and plant, for the provision of security for the Works, Labour and Plant, including the Works, Labour and Plant of the targeted SMME contractors, until the issue of Certificate of Completion.

1.5.2 Health & Safety

1.5.2.1 Specification for Occupational Health and Safety in Construction Works Contracts

1. Scope

This health and safety specification establishes the overarching framework within which a contractor is required to satisfy general requirements for occupation health and safety in an engineering and construction works contract.

Note:

- a) This specification establishes general requirements to enable the employer and the contractor to satisfy the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the Construction Regulations, 2014.
- b) The Construction Regulations, 2014, require an employer to stop any contractor from executing construction work which is not in accordance with the contractor's health and safety plan for the site or which poses a threat to the health and safety of persons.

2. Definitions

Act: The Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)

competent person: any person having the knowledge, training and experience specific to the work or task being performed

ergonomics: the application of scientific information concerning humans to the design of objects, systems and the environment for human use in order to optimize human well-being and overall system performance

hazard: a source of or exposure to danger

incident: an event or occurrence occurring at work or arising out of or in connection with the activities of persons at work, or in connection with the use of plant or machinery, in which, or in consequence of which:

- a) any person dies, becomes unconscious, suffers the loss of a limb or part of a limb or is otherwise injured or becomes ill to such a degree that he is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or to continue with the activity for which he was employed or is usually employed;
- b) a major incident occurred; or
- c) the health or safety of any person was endangered and where-
 - i) a dangerous substance was spilled;
 - ii) the uncontrolled release of any substance under pressure took place;
 - iii) machinery or any part thereof fractured or failed resulting in flying, falling or uncontrolled moving objects; or machinery ran out of control

health and safety plan: a documented plan which addresses hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified.

health and safety specification: a documented specification of all health and safety requirements pertaining to the associated works on a construction site, so as to ensure the health and safety of persons

inspector: a person designated as such under section 28 of the Act

major incident: an occurrence of catastrophic proportions, resulting from the use of plant or machinery, or from activities at a workplace

reasonably practicable: practicable having regard to:

- a. the severity and scope of the hazard or risk concerned;
- b. the state of knowledge reasonably available concerning that hazard or risk and of any means of removing or mitigating that hazard or risk;
- c. the availability and suitability of means to remove or mitigate that hazard or risk; and

- d. the cost of removing or mitigating that hazard or risk in relation to the benefits deriving therefrom;

risk: the probability that injury or damage will occur

safe: free from any hazard

scaffold: any temporary elevated platform and supporting structure used for providing access to and supporting workmen or materials or both

specification data: data, provisions and variations that make this specification applicable to a particular contract

structure

- a) any building, steel or reinforced concrete structure (not being a building), railway line or siding, bridge, waterworks, reservoir, pipe or pipeline, cable, sewer, sewage works, fixed vessels, road, drainage works, earthworks, dam, wall, mast, tower, tower crane, batching plants, pylon, surface and underground tanks, earth retaining structure or any structure designed to preserve or alter any natural feature, and any other similar structure;
- b) any formwork, false work, scaffold or other structure designed or used to provide support or means of access during construction work; or
- c) any fixed plant in respect of work which includes the installation, commissioning, decommissioning or dismantling and where any such work involves a risk of a person falling two metres or more

substance: any solid, liquid, vapour, gas or aerosol, or combination thereof

suitable: capable of fulfilling or having fulfilled the intended function or fit for its intended purpose

3. Interpretation

- 3.1 The Act and its associated regulations shall have precedence in the interpretation of any ambiguity or inconsistency between it and this specification.
- 3.2 Compliance with the requirements of this specification does not necessarily result in compliance with the provisions of the Act.

4. Requirements

4.1 General requirement

- 4.1.1 The contractor shall execute the works in a manner that complies with all the requirements of the Act and all its associated regulations, and in so doing, minimize the risk of incidents occurring.
- 4.1.2 The contractor shall with respect to the site and the engineering and construction works that are contemplated:
- a) identify the hazards and evaluate the risks associated with such work constituting a hazard to the health and safety of such employees and the steps that need to be taken to comply with the Act; and

- b) as far as is reasonably practicable, prevent the exposure of such employees to the hazards concerned or, where prevention is not reasonably practicable, minimize such exposure.
- 4.1.3 The contractor shall as far as is reasonably practicable, cause every employee to be made conversant with the hazards to his health and safety attached to any work which he has to perform, any article or substance which he has to produce, process, use, handle, store or transport and any plant or machinery which he is required or permitted to use, as well as with the precautionary measures which should be taken and observed with the respect to those hazards.
- 4.1.4 The contractor shall ensure that all employees under his or her control are:
- a) informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment; and
- b) issued with proof of health and safety induction training issued by a competent person and carry proof of such induction when working on site.
- 4.1.5 The contractor shall not allow or permit any employee to enter any site, unless such person has undergone health and safety induction training pertaining to the hazards prevalent on the site at the time of entry.
- 4.1.6 The contractor shall ensure that each visitor to a construction site, save where such visitor only visits the site office and is not in direct contact with the construction work activities:
- a) undergoes health and safety instruction pertaining to the hazards prevalent on the site; and
- b) is provided with the necessary personal protective equipment.
- 4.1.7 The contractor shall provide suitable on-site signage to alert workers and visitors to health and safety requirements.
- 4.1.8 The contractor shall not permit any person who is or who appears to be under the influence of intoxicating liquor or drugs, to enter or remain at a workplace.

4.2 Health and safety representatives

- 4.2.1 The contractor shall appoint in writing one health and safety representative for every 50 employees of the contractor working on the site, whenever there are more than 20 employees on the site; to:
- a) review the effectiveness of health and safety measures;
- b) identify potential hazards and potential major incidents;
- c) in collaboration with his employer, examine the causes of incidents;
- d) investigate complaints by any employee of the contractor relating to that employee's health or safety on the site;
- e) make representations to the contractor on matters arising from a), b), c) or d) or on general matters affecting the health or safety of the employees at the workplace;

- g) inspect the site with a view to the health and safety of employees, at regular intervals;
- h) participate in consultations with inspectors at the workplace and accompany inspectors on inspections of the workplace; and
- i) participate in any internal health or safety audit.

4.2.2 The contractor shall inform the relevant safety representative:

- a) beforehand of inspections, investigations or formal inquiries of which he has been notified by an inspector; and
- b) as soon as reasonably practicable of the occurrence of an incident on the site.

4.2.3 The contractor shall convene health and safety meetings whenever more than two health and safety representatives have been appointed for the site. These meetings shall be attended by all health and safety representatives and shall be convened at least once every month to:

- a) make recommendations to the employer regarding any matter affecting the health or safety of persons on the site; and
- b) discuss any incident on the site in which or in consequence of which any person was injured, became ill or died.

4.2.4 The contractor shall consult with the health and safety committee on the development, monitoring and review of the risk assessment.

4.3 Appointment of construction supervisor and safety officers

4.3.1 The contractor shall appoint a full-time competent employee designated in writing as the construction supervisor for the site, with the duty of supervising the performance of the work falling within the scope of the contract and may appoint one or more competent employees to assist the appointed construction supervisor.

4.3.2 A contractor may having considered the size of the project, the degree of dangers likely to be encountered or the accumulation of hazards or risks on the site, appoint a full-time or part-time construction safety officer in writing, who has in the contractor's opinion the necessary competencies and resources, to assist the contractor in the control of all safety related aspects on the site.

4.3.3 The contractor shall ensure that the construction supervisor is in possession of the most recently updated version of the fall protection plan.

4.3.4 The contractor shall ensure that the following activities, as relevant, are carried out under the supervision of a competent person and that such persons are appointed in writing:

- a) all formwork and support work operations;
- b) excavation work;
- c) demolition work;
- d) scaffolding work operations;
- e) suspended platform work operations;

- f) operation of batch plants; and
- g) the stacking and storage of articles on the site.

4.4 Risk assessment

4.4.1 The contractor performing work falling within the contract shall, before the commencement of any such work and during construction work, cause a risk assessment to be performed by a competent person appointed in writing. Such an assessment shall as a minimum:

- a) identify the risks and hazards to which persons may be exposed to;
- b) analyse and evaluate the identified risks and hazards;
- c) document a plan of safe work procedures to mitigate, reduce or control the risks and hazards that have been identified;
- d) provide a monitoring plan; and
- e) provide a review plan.

Note: A risk assessment is an important step in protecting workers as well as complying with the law. It helps you focus on the risks that really matter in a particular workplace – the ones with the potential to cause real harm. Workers and others have a right to be protected from harm caused by a failure to take reasonable control measures. The following four steps are recommended:

Identify the hazards by looking at what could reasonably be expected to cause harm, ask employees or their representatives what they think, obtain advice from trade associations or publications on health and safety, check manufacturer's instructions or data sheets for chemicals and equipment as they can be very helpful in spelling out the hazards and putting them in their true perspective, review accident and ill-health records, think about long-term hazards to health (eg high levels of noise or exposure to harmful substances) as well as safety hazards etc.

Identify who may be harmed and how by identifying how groups of people might be harmed i.e. what type of injury or ill health might occur.

Evaluate the risks and decide on precautions by doing everything 'reasonably practicable' to protect people from harm i.e. by looking at how things are done, what controls are in place and how the work is organised and comparing this against good practice to see if more can be done to bring practices up to standard. Consider if the hazard can be got rid of all together, and if not how can the risks be controlled so that harm is unlikely, e.g. try a less risky option (e.g. switch to using a less hazardous chemical); prevent access to the hazard (e.g. by guarding); organise work to reduce exposure to the hazard (e.g. put barriers between pedestrians and traffic); issue personal protective equipment (e.g. clothing, footwear, goggles etc); and provide welfare facilities (e.g. first aid and washing facilities for removal of contamination).

Record the findings by writing down the findings of the risk assessment.

4.4.2 The contractor shall ensure that as far as is reasonably practicable, ergonomic related hazards are analysed, evaluated and addressed in the risk assessment.

- 4.4.3 The contractor shall require a competent person to prepare a fall protection plan in compliance with the requirements of the Construction Regulations.
- 4.4.4 Notwithstanding the provisions of the fall protection plan, the contractor shall ensure that:
- a) all unprotected openings in floors, edges, slabs, hatchways and stairways are adequately guarded, fenced or barricaded or that similar means are used to safeguard any person from falling through such openings;
 - b) no person works in an elevated position, unless such work is performed safely as if working from a scaffold or ladder;
 - c) notices are conspicuously placed at all openings where the possibility exists that a person might fall through such openings;
 - d) fall prevention and fall arrest equipment is:
 - i) suitable and of sufficient strength for the purpose or purposes for which it is being used having regard to the work being carried out and the load, including any person, it is intended to bear; and
 - ii) securely attached to a structure or plant and the means of attachment thereto is suitable and of sufficient strength and stability for the purpose of safely supporting the equipment and any person who is liable to fall; fall arrest equipment is only used where it is not reasonably practicable to use fall prevention equipment; and
 - e) suitable and sufficient steps are taken to ensure, as far as is reasonably practicable, that in the event of a fall by any person, the fall arrest equipment or the surrounding environment does not cause injury to the person.
- 4.4.5 Where roof work is being performed on a construction site, the contractor shall ensure that it is indicated in the fall protection plan that:
- a) the roof work has been properly planned;
 - b) the roof erectors are competent to carry out the work;
 - c) no employees are permitted to work on roofs during inclement weather conditions or if weather conditions are a hazard to the health and safety of the employees;
 - d) prominent warning notices are to be placed where all covers to openings are not of sufficient strength to withstand any imposed loads and where fragile material exists;
 - e) the areas mentioned in paragraph (d) are to be barricaded off to prevent persons from entering;
 - f) suitable and sufficient platforms, coverings or other similar means of support have been provided to be used in such a way that the weight of any person passing across or working on or from fragile material is supported; and
 - g) there is suitable and sufficient guard-rails or barriers and toe-boards or other similar means of protection to prevent, so far as is reasonably practicable, the fall of any person, material or equipment.
- 4.4.6 The contractor shall ensure that:

- a) all reasonably practicable steps are taken to prevent the uncontrolled collapse of any new or existing structure or any part thereof, which may become unstable or is in a temporary state of weakness or instability due to the carrying out of construction work;
- b) no structure or part of a structure is loaded in a manner which would render it unsafe; and
- c) specification data prepared by the designer of the structure is taken into account in the risk assessment;

Note: The specification data provided by the designer should outline known or anticipated dangers or hazards relating to the works and make available all information required for the safe execution of the work. It should provide as relevant, geotechnical information (or make reference to reports provided in the site information), the loading the structure is designed to withstand, the methods and sequence of construction.

4.5 Health and safety plans

4.5.1 The contractor shall prior to commencing the works to which this specification applies, submit to the employer for approval a suitable and sufficiently documented health and safety plan, based on this specification and the risk assessment that is conducted.

The health and safety plan shall as a minimum provide:

- a) the information contained in Table 1 in respect of each of the hazards associated with work falling within the scope of the contract (see Figure 1); and

What are the hazards?	Who might be harmed and how?	What are the safe work procedures for the site?	What further action is necessary (monitoring and review)?	Action by whom	Action by when

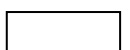
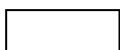
Table 1: Example of the format of a health and safety plan

- b) an outline of the manner in which the contractor intends complying with the requirements of this specification.

- 4.5.2 The contractor shall discuss the submitted health and safety plan with the employer’s representative, modify such plan in the light of the discussions and resubmit the modified plan for approval.
- 4.5.3 The contractor shall apply the approved health and safety plan from the date of commencement of and for the duration of the works to which this specification applies.
- 4.5.4 The contractor shall conduct periodic audits for compliance with the approved health and safety plan at intervals agreed upon with the employer, but at least once every month.
- 4.5.5 The contractor shall update the health and safety plan whenever changes to the works are brought about.

4.6 Subcontractors

4.6.1 The contractor may only subcontract work in terms of a written subcontract and shall only appoint a subcontractor should he be reasonably satisfied that such a subcontractor has the necessary competencies and resources to perform the work falling within the scope of the contract safely. Such a subcontract shall require that the subcontractor shall:



- a) shall co-operate with the contractor as far as is necessary to enable both the contractor and sub-contractor to comply with the provisions of the Act; and
 - b) as far as is reasonably practicable, promptly provide the contractor with any information which might affect the health and safety of any person at work carrying out work or any person who might be affected by the work of such a person at work or which might justify a review of the health and safety plan.
- 4.6.2 The contractor shall provide any sub-contractor who is submitting a tender or appointed to perform a sub-contract falling within the scope of the contract, with the relevant sections of this specification and associated specification data which might be pertinent to the sub-contract.
- 4.6.3 The contractor shall take reasonable steps as are necessary to ensure:
- a) co-operation between all sub-contractors to enable each of those sub-contractors to comply with the requirements of the Act and associated regulations; and
 - b) that each sub-contractor's health and safety plan is implemented.
- 4.6.4 The contractor shall conduct periodic audits for compliance with the approved health and safety plan of each and every sub-contractor working on the site at intervals agreed upon with such contractors, but at least once per month.
- 4.6.5 The contractor shall stop any contractor from executing construction work which is not in accordance with the contractor's or subcontractor's health and safety plan for the site or which poses a threat to the health and safety of persons.
- 4.6.6 The contractor shall ensure that where changes to the works occur, sufficient health and safety information and appropriate resources are made available to the subcontractor to execute the work safely.
- 4.6.7 The contractor shall ensure that:
- a) every subcontractor is registered and in good standing with the compensation fund or with a licensed compensation insurer prior to work commencing on site;
 - b) potential subcontractors submitting tenders have made provision for the cost of health and safety measures during the construction process; and
 - c) every subcontractor has in place a documented health and safety plan prior to commencing any work on site which falls within the scope of the contract.
- 4.6.8 The contractor shall receive, discuss and approve health and safety plans submitted by subcontractors.
- 4.6.9 The contractor shall ensure that all subcontractors are informed regarding any hazard as stipulated in the risk assessment before any work commences, and thereafter at such times as may be determined in the risk assessment.
- 4.6.10 The contractor shall reasonably satisfy himself that all employees of subcontractors are informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment.

The contractor shall satisfy himself and ensure that all subcontractor employees deployed in the site are:

- a) informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment; and
- b) issued with proof of health and safety induction training issued by a competent person and carry proof such induction when working on site.

4.7 Reporting of incidents

The contractor shall notify the employer's representative of any incident as soon as possible after it has occurred and report such incidence to an inspector.

4.8 Administration

4.8.1 Notification of intention to commence construction work

The contractor shall notify the Provincial Director of Labour in writing using a form similar to that contained in Annexure A of the Construction Regulations issued in terms of the Act before construction work commences and retain a copy of such notification in the health and safety file where such work:

involves the demolition of a structure exceeding a height of 3m;

involves the use of explosives to perform construction work;

involves the dismantling of fixed plant at a height greater than 3m;

exceeds 30 days or will involve more than 300-person days of construction work; and includes:

- i) excavation work deeper than 1m; or
- ii) working at a height greater than 3 m above ground or a landing.

4.8.2 Health and safety file

4.8.2.1 The contractor shall maintain on site a health and safety file on site which contains copies of the following, as relevant:

- a) the notification made to the Provincial Director of Labour in terms of 4.4.1;
- b) the letters of appointment of health and safety representatives;
- c) the minutes of all health and safety meetings;
- d) a comprehensive and updated list of all the subcontractors (nominated, selected or domestic) employed on site by the contractor, indicating the type of work being performed by such sub-contractors;
- e) a copy of each and every subcontract agreement;
- f) the contractor's health and safety plan;
- g) the health and safety plans of all the contractor's subcontractors who are required to provide such plans;

- h) the recommendations made to the contractor by the health and safety committee referred to in 4.2.3
- i) any report made to an inspector by the health and safety committee referred to in 4.2.3; and
- j) the findings of all audit reports made regarding the implementation of the contractor's or a subcontractor's health and safety plan;
- k) proof that the contractor and every subcontractor is registered and in good standing with the compensation fund or with a licensed compensation insurer;
- l) the inputs of the safety officer, if any, into the health and safety plan;
- m) a copy of risk assessments made by competent persons;
- n) details of induction training conducted whenever it is conducted;
- o) proof of all subcontractor's induction training whenever it is conducted;
- p) letters of appointments for competent persons to supervise prescribed activities;
- q) proof of the following where suspended platforms are used:
 - i) a certificate of system design issued by a professional engineer professional certificated engineer or a professional engineering technologist;
 - ii) proof of competency of erectors;
 - iii) proof of compliance of operational design calculations with requirements of the system design certificate;
 - iv) proof of performance test results;
 - v) sketches indicating the completed system with the operational loading capacity of the platform;
 - vi) procedures for and records of inspections having been carried out;
 - vii) procedures for and records of maintenance work having been carried out;
 - viii) proof that the prescribed documentation has been forwarded to the provincial director;
- r) records of the register of inspections made by a competent person immediately before and during the placement of concrete or any other load on formwork; and
- s) the names of the first aiders on site and copies of the first aid certificates of competency.

4.8.2.2 The health and safety file shall be made available for inspection by any inspector, subcontractor, employer's representative, employer's agent,

health and safety representative or employee of the contractor upon the request of such persons.

- 4.8.2.3 The contractor shall hand over the health and safety file to the employer upon completion of the contract together with a record of all drawings, designs, materials used and other similar information concerning the completed structure.

4.9 First aid, emergency equipment and procedures

The contractor shall where more than five employees are employed at a workplace, provide a first aid box or boxes at or near the workplace which shall be available and accessible for the treatment of injured persons at that workplace. Such first aid boxes shall contain suitable first aid equipment.

The contractor shall ensure that where there are more than 10 employees employed on the site that for every group of up to 50 employees at that workplace, at least one person is readily available during normal working hours, who is in possession of a valid certificate of competency in first aid.

PART C4: SITE INFORMATION

- 1.1 Architectural and Engineering Drawings (Refer to Attached CD)
- 1.2 Project Specific Health and Safety Specification (Refer to Attached CD)

