

Item No	Quantity	Amount		
<p><u>SECTION NO. 1 - PRELIMINARIES AND GENERAL</u></p> <p><u>BILL No. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>NOTES</u></p> <p>The agreement is to be the Form of Offer and Acceptance (Agreement) Part C1.1 of bid document</p> <p>and</p> <p>The JBCC Principal Building Agreement (March 2014 edition 6.1) prepared by the Joint Building Contracts Committee, shall be the applicable agreement, amended as hereinafter described.</p> <p>The JBCC Principal Agreement contract data form an integral part of this agreement</p> <p>The Preliminaries published by the Association of South African Quantity Surveyors for use with the JBCC Principal Building Agreement Edition 6.1 March 2014 shall be deemed to be incorporated in these bills of quantities, amended hereinafter described.</p> <p>The Contractor is deemed to have referred to the above-mentioned documents for the full intent and meaning of each clause thereof</p> <p>The clauses in the above-mentioned documents are hereinafter referred to by clause number and heading only.</p> <p>Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"</p> <p>Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the above-mentioned documents</p> <p>PREAMBLES FOR TRADES</p>				
	Carried Forward	R		
<p>Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Investlot (Pty) Ltd</p>				

Item No		Quantity	Amount
	Brought Forward	R	
	<p>The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained</p> <p>Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the Model Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles and/or specifications</p> <p>AGREEMENT</p> <p>The required Information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties following the issue of letter of appointment by the Employer and compliance thereto by the contractor</p> <p>CONTRACT DATA</p> <p>Before submission of his tender the contractor is to note and allow in his tender for the items and requirements as set out here after. The contract data shall be inserted in the agreement for signature of the agreement by the parties</p> <p><u>(A) TENDER INFORMATION</u></p> <p>A1 Project Name:</p> <p>Walter Sisulu Square of Dedication Basement Drainage</p> <p>A2 Works Description</p> <p>Drainage of the Walter Sisulu Square of Dedication Basement</p>		
	Carried Forward	R	
	<p>Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Investlot (Pty) Ltd</p>		

Item No		Quantity	Amount
	Brought Forward	R	
A3 Site description			
3.1 Portion: Walter Sisulu Square of Dedication			
3.2 Local Authority: City of Joburg Municipality			
3.3 Street Address: Corner Klipspruit Valley Road and Union Avenue, Kliptown, Soweto - City of Johannesburg Municipality, Gauteng Province			
A4 Employer			
4.1 Name: City of Joburg Company SOC Ltd (JPC)			
4.2 Business: Municipality			
4.3 Business Reg No: N/A Municipality VAT No:			
4.4 Contact person: Dheeran Ramdhari Tel: 083 272 1592 Email: dramdhari@jhbptoperty.co.za			
4.5 Registered street address: Forum II, First Floor Braampark 33 Hoofd Street Braamfontein 2001			
4.6 Postal address:			
	Carried Forward	R	
Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Investlot (Pty) Ltd			

Item No		Quantity	Amount
	Brought Forward	R	
A5 - A13 Principal Agent:			
5.1 Name: Inveslot (Pty) Ltd			
5.2 Business: Project Managers			
5.3 Business Reg No:2012/035064/07 Business VAT No: 4560302624			
5.4 Contact person: Fanie Bouwer Tel: 079 137 8088 Email: investlotinsure@gmail.com			
5.5 Registered street address:	Maddison Avenue Aspen Hills Ext 13 Aspen Business Park Alberton Arizona House North-Wing Ground Floor		
5.6 Postal address:	P.O. Box 31565 Braamfontein 2017		
5.7 Tel. No: 010 - 219 9000			
<u>(B) CONTRACT DATA</u>			
2.0 Law regulations and notices			
2.1/25.15 Law of the Country applicable: South Africa			
	Carried Forward	R	
Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Inveslot (Pty) Ltd			

Item No	Quantity	Amount
Brought Forward	R	
5.0 Contract documents		
5.1 Signed contract document held by - Employer		
5.5 Number of copies of documents issued free to the contractor - three (3) copies		
Priced Documents		
Lump sum priced document - No		
Priced Bill of Quantities (BoQ) - Yes		
System/Method of measurement - Latest Edition of Standard System of Measuring Building Work published by ASAQS.		
Contract Documents Comprising		
JBCC Principal Building Agreement Ed 6.1 March 2014 - A		
JBCC PBA Contract Ed 6.1 March 2014 - B		
Contract drawings		
Will be listed in detail at signing of contract. The drawings attached to these Bills are for tender reference purposes only		
6.0 Employers Agent		
6.3 Agents in project has no interest other than professional services - N/A		
10.0 Insurances		
By the Employer - No		
By the Contractor - Yes		
Carried Forward	R	
Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Inveslot (Pty) Ltd		

Item No	Quantity	Amount
Brought Forward	R	
Contract works insurance (CWI) (including material and goods temporary works - Contract sum		
Allowances for Professional fees and escalation of the insured value at 20% of contract sum		
Free issue material at new replacement value - Not Applicable		
Employer owned surrounding property - Not Applicable		
Public Liability insurance - R1,000,000.00 each and every claim		
Supplementary insurance (including CWI extensions - Yes SASRIA		
Removal of lateral support insurance - Not Applicable		
policy deductables		
Works free issue - 0.1% of insured amount		
Supplementary insurance 0.1% of the insured amount		
11.0 Security		
11.1.1-5 The contractor shall provide a guarantee for construction to the Employer - Yes		
Carried Forward	R	
Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Inveslot (Pty) Ltd		

Item No	Quantity	Amount
Brought Forward	R	
12.0 Duties of the parties/Employer/Site		
9.2.7 Alteration and additions to existing premises - Yes		
12.1.2 Premises occupied - Yes		
12.1.3 Relevant natural featured to be retained relocated / removed - Yes		
12.1.4 Areas the contractor may not occupy - No		
12.1.5 Utilities connection - Location: As shown on drawings		
12.1.6 Statutory and/or other notices to be complied with by the contractor before possession of site can be given. Compliance with all requirements stipulated in bid documentation		
12.1.7 Possession of the site - intended date: within 21 calender days of acceptance of tender by the employer and compliance thereto by the contractor		
12.1.12 Description of free issue by the employer - Not Applicable		
14.0 Nominated subcontractors		
All subcontractors will be direct subcontractors to the main contractor		
16.0 Direct subcontractors		
Employer reserve a right to use direct contractors which will be listed as such at signing of contract.		
Practical completion date:00/00/20....		
Penalty for late completion		
19.0 Practical completion of the works as a whole - within 6 months from the date of handover, penalty per calender day R 5,000.00 (excl. VAT)		
Carried Forward	R	
Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Inveslot (Pty) Ltd		

Item No	Quantity	Amount
Brought Forward	R	
19.0 Practical completion		
19.1.1 Items that do not have to be completed to achieve practical completion - N/A		
19.1.2 Criteria to achieve practical completion - as per condition of contract		
25.0 Payment		
25.1 Currency: South African Rand		
25.2 Issue of regular payment certificates on: 25th day of each month		
25.3.2 Materials and goods off site - paid subject to bid documentation conditions		
25.3.4 / 26.9.5 Contract Price Adjustment Provisions (CPAP)		
Contract value adjustment: The contract value is fixed, therefore shall not be adjusted.		
30.0 Dispute resolution		
30.6.1 Alternative dispute resolution nominating body - JBCC for adjudication - Association of Arbitrators (South Africa)		
Changes made to JBCC document - Refer to Preliminaries section of the bills of quantities for changes which will be applicable to this contract.		
<u>(C) TENDER CLOSING</u>		
Tender closing: date/time/place/address - as stated in bid documentation		
Delivered in electronic format: No - As stated in bid documentation		
Alternative offer considered: Yes - only if original tender submitted		
Carried Forward	R	
Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Inveslot (Pty) Ltd		

Item No		Quantity	Amount
	Brought Forward	R	
	<u>(D) TENDERERS SELECTION</u>		
	11.0 Securities		
	Guarantee for construction		
	Refer to clause 11.1 to 11.5 for security requirements which will apply to this contract		
	Guarantee for Advance Payment - Not Applicable to this contract		
	Guarantee for Payment - Not Applicable to this contract		
	19.0 Contractors holiday period during the construction period		
	One month - 15 December to 15 January allowed in the contract period of 3months		
	26.0 Payment / adjustment of preliminaries		
	Payment of preliminaries Option B - Yes		
	Adjustment of preliminaries (26.9.4) Option A - Yes		
	Notes:		
	The tender shall remain in full legal force for (120) one hundred and twenty calender days		
	<u>TENDER SUM COMPILATION</u>		
	Refer to Bid Documentation - Calculation of bid sum		
	TENDERER'S DETAILS		
	Refer to Bid Documentation - Contract Data		
	Carried Forward	R	
	Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Inveslot (Pty) Ltd		

Item No		Quantity	Amount
	Brought Forward	R	
	<u>PRELIMINARIES AND GENERAL</u>		
	Preliminaries and General		
1	F:..... V:..... T:.....	Item	
	<u>Breakdown of the Preliminaries and General</u>		
2	(6.0) Site Representative - Time Related	Item	
3	(14.0) Security - Fixed	Item	
4	(15.0) Preparation for and execution of the works - Time related	Item	
5	(4.1) Management of the works - Time Related	Item	
6	(6.2) Enclosure of the works - Fixed	Item	
7	(6.4) Plant, Equipment, Sheds and Offices - Time Related	Item	
8	(6.5) Main noticeboard - Fixed	Item	
9	(7.5) Ablution facilities - Time Related	Item	
10	(11.7) Works cleaning and clearing - Time Related	Item	
11	Occupational Health & Safety	Item	
12	24 Hours Security Guards for duration of construction	Item	
13	(C1) Contractor to be responsible		
	SUMMARY OF CATEGORIES		
	Category : Fixed R.....		
	Category : Value R.....		
	Category : Time R.....		
	Carried to Final Summary	R	
	Section No.1 PRELIMINARIES AND GENERAL Bill No. 1 Preliminaries Prepared By Inveslot (Pty) Ltd		

Item No		Quantity	Rate	Amount
<u>CIVIL ENGINEERING WORKS</u>				
<u>BILL No.2</u>				
<u>PLUMBING AND DRAINAGE (STORMWATER)</u>				
PREAMBLES: (For preambles refer to "Specification of Materials and Methods to be used" PW 371)				
<u>NOTES:</u>				
Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 148 for Haylett Formula purposes				
<u>STORMWATER</u>				
1	Replacing of grating (Galvanizes)	m ²	110	
2	Repair of grating edge beam (50x50x5 Tee section)	m	670	
<u>TRENCHES FOR STORMWATER PIPES</u>				
Excavate in all materials for trenches, backfill, compact and dispose of surplus material :				
Pipes over 400 mm dia up to 550 mm dia for depths:				
3	Over 1,0 m up to 2,0 m	m	90	
Extra over item 3 above for:				
4	Intermediate excavation	m ³	30	
5	Hard rock excavation	m ³	15	
6	Hand excavation and backfill where ordered by the Engineer	m ³	10	
7	Excavate and dispose of unsuitable material from trench bottom	m ³	5	
Carried Forward				R
CIVIL ENGINEERING WORKS Bill No. 2 Plumbing & drainage (Stormwater) Prepared By Investlot (Pty) Ltd				

Item No			Quantity	Rate	Amount
	Brought Forward				R
	Supply and lay concrete pipe culverts on class B bedding:				
	Type SC 100D-load pipes with ogee joints:				
8	450mm dia		55		
	Supply and install catchpits:				
	Kerb inlets:				
15	Length 2 m long	No.	4		
16	Break into existing stormwater pipe, install new pipe and build new manhole:	No.	1		
	Carried Forward to Summary				R
	CIVIL ENGINEERING WORKS				
	Bill No. 2				
	Plumbing & drainage (Stormwater)				
	Prepared By				
	Investlot (Pty) Ltd				

Item No		Quantity	Rate	Amount
	<p><u>CIVIL ENGINEERING WORKS</u></p> <p><u>BILL No.3</u></p> <p><u>EXTERNAL WORKS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are referred to the relevant clauses in the Model Preambles for Trades (Latest Edition) as published by the Association of South African Quantity Surveyors and to the Supplementary Preambles which are incorporated in these Bills of Quantities before pricing this schedule</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>For full descriptions and supplementary preambles applicable to this section, see also previous bills</p> <p><u>Nature of ground</u></p> <p>A soil investigation will be carried out on site by the engineer, and the report will be annexed to these bills of quantities. Descriptions of all excavations shall be deemed to include all ground conditions classified as earth described in the annexed report and where conditions of a more difficult character are indicated these are separately measured</p> <p><u>Carting away of excavated material</u></p> <p>Description of carting away of excavated material shall deemed to include loading of excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site</p>			
	Carried Forward			R
	<p>CIVIL ENGINEERING WORKS Bill No. 3 External Works Prepared By Investlot (Pty) Ltd</p>			

Item No	Quantity	Rate	Amount
Brought Forward			
<u>Concrete pipes</u>			
Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings			
<u>uPVC pipes and fittings</u>			
Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be solvent weld jointed and finished smooth			
<u>uPVC pressure pipes and fittings</u>			
Pipes for water supply shall be of the class stated Pipes of 40mm diameter and smaller shall be plain ended with solvent welded UPVC loose socket and spigots with push-in type integral rubber ring joints. Bens shall be uPVC and all other fittings shall be cast iron, all in similar push-in type joints with solvent welded uPVC loose socket fittings			
<u>Exposed concrete surfaces</u>			
Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye market slabs, gully tops, cleaning eye tops, catch pits, inspection chambers, etc. shall be finished smooth with plaster			
<u>Excavations</u>			
No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling "Soft rock" and "Hard rock" shall be as defined in "Earthworks"			
<u>FENCING, POSTS, GATES,etc</u>			
<u>Access control gate and ancillary sytems</u>			
1	Convert existing gates to fence and paint	No	60
2	Manufacture similar fence and paint as the gates converted to f	m	30
3	Steel vehicle gate including Pedestrian gate (25m)	No.	1
Carried Forward			
R			
CIVIL ENGINEERING WORKS Bill No. 3 External Works Prepared By Investlot (Pty) Ltd			

Item No		Quantity	Rate	Amount
	Brought Forward		R	
4	Steel vehicle gate including Pedestrian gate (15m) No.	1		
5	Steel Pedestrian gate (5m) No.	1		
6	Steel Pedestrian gate (8m) No.	3		
7	Steel Vehical gate (6m) No.	2		
8	Boom gates No,	2		
9	2,4m Concrete Palisade Fencing Including Footings and Posts m	275		
10	2,76m Anti Climb Remwall m	375		
	<u>Soil poisoning</u>			
11	Trimex-S weedkiller mixed 30g/l water and applied at a rate of 1 litre/10m ² under road, parking, walkway paving and wall structures m ²	1 100		
	<u>Precast concrete block road surfacing</u>			
	Paving is to be laid in accordance with SABS 1200 MJ, SABS 1058 and the Concrete Masonry Association's specification Paving is to be laid in herringbone pattern on 25mm (thickness after final compaction) clean river sand (preparation of ground or filling elsewhere) clean sand in to be swept into joints between roadstones			
	<u>PAVING</u>			
12	Compaction of ground surface under paving, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material as necessary and compacting to 90% Mod AASHTO density m ²	210		
13	Paving of 60mm thick double zig-zag (shape S-A) 30 MPa precast concrete interlocking blocks laid to falls with butt joints on 20mm thick river sand bed with sand-and-cement mixture swept into joints and hosed down, including preparation of ground or filling m ²	250		
	Carried Forward		R	
CIVIL ENGINEERING WORKS				
Bill No. 3				
External Works				
Prepared By				
Investlot (Pty) Ltd				

Item No		Quantity	Rate	Amount
	Brought Forward		R	
14	Fair circular cutting	m	100	
15	Paving of 50mm thick bevel bond (Terra Cota) blocks laid to falls with butt joints on 20mm thick river sand bed with sand-and-cement mixture swept into joints and hosed down, including preparation of ground or filling	m ²	850	
16	Fair circular cutting	m	400	
17	Removing 100mm of top soil and compaction of ground surface under paving, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material as necessary and compacting to 90% Mod AASHTO density	m ²	25	
18	Paving of 50mm thick bevel bond (Terra Cota) blocks laid to falls with butt joints on 20mm thick river sand bed with sand-and-cement mixture swept into joints and hosed down, including preparation of ground or filling	m ²	150	
19	Fair circular cutting	m	150	
	Construct base with material from commercial sources			
20	150mm G5 Base quality material with material from commercial sources compacted to 98% of modified AASHTO maximum density	m ²	250	
21	Fair circular cutting	m	750	
22	Remove paving bricks	m ²	450	
23	Removing 150mm of top soil and compaction of ground surface under walling, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material as necessary and compacting to 93% Mod AASHTO density	m ²	450	
	Carried Forward		R	
CIVIL ENGINEERING WORKS Bill No. 3 External Works Prepared By Investlot (Pty) Ltd				

Item No			Quantity	Rate	Amount
	Brought Forward				R
	<u>Galvanized steel Bollards</u>				
21	Permenante Bollards complete with base	No	24		
22	Removeble bollard complete with base	No	6		
	<u>Kerbing</u>				
	Concrete kerbing:				
23	Fig 7	m	65		
24	Fig 8C constructed back to back	m	185		
	Carried Forward to Summary				R
	CIVIL ENGINEERING WORKS Bill No. 3 External Works Prepared By Investlot (Pty) Ltd				

	<u>CIVIL ENGINEERING SERVICES</u>			
Bill No	<u>SECTION SUMMARY</u>	Page No		
1	P&G	1		
2	Plumbing and Drainage (Stormwater)	11		
3	External works	14		
	Sub-Total			
	Contingencies		10%	
	Sub-Total			
	VAT		15%	
	Carried to BOQ Final Summary (Incl. VAT)		R	
	CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL ENGINEERING WORKS Summary External Works Prepared By Investlot (Pty) Ltd			