

**LANGLAAGTE VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
2019**

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 1</u></b>			
<b><u>PRELIMINARIES &amp; GENERAL</u></b>			
<b>PRINCIPAL BUILDING AGREEMENT</b>			
<p>The JBCC Series 2000 Principal Building Agreement (July 2007 Fifth Edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described.</p>			
<b>PRELIMINARIES</b>			
<p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities.</p>			
<b>FULL INTENT AND MEANING OF CLAUSES</b>			
<p>Tenderers shall be deemed to have referred to the afore-mentioned documents for the full intent and meaning of each clause. These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable".</p>			
<b>Carried Forward</b>		ZAR	
<p>Section No. 1 Bill No. 1 Preliminaries &amp; General <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

**LANGLAAGTE VEHICLE TESTING STATION  
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**ZAR**

**METHOD OF MEASUREMENT**

These Provisional Bills of Quantities have been prepared in accordance with the Sixth Edition (Revised) of the Standard System of Measuring Building Work 1999, issued by the Association of South African Quantity Surveyors, modified in certain respects where necessary to meet the requirements of certain particular cases. All adjustments arising out of the Contract will be measured on the basis of these Bills of Quantities. The Standard System may, of necessity be referred to, but such reference is conditional upon the understanding that, when differences occur, the principles of measurement adopted in these Bills of Quantities are to be followed.

**PREAMBLES FOR TRADES**

The Model Preambles for Trades (November 2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles. The tenderers' prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles.

**Carried Forward**

**ZAR**

Section No. 1

Bill No. 1

Preliminaries & General

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

**LANGLAAGTE VEHICLE TESTING STATION  
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**PRICING OF PRELIMINARIES**

Tenderers shall allow opposite each clause for any cost involved with complying with such clause. Any applicable clauses left unpriced shall be deemed to be included in the rates and prices elsewhere incorporated throughout these Bills of Quantities.

Should the Tenderer select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T). These relevant categories shall be as follows: "F" - A fixed amount which shall not be varied "V" - A variable amount that will be varied in proportion to the Contract Value "T" - A variable amount that will be varied in proportion to the approved time for completion.

**PRELIMINARIES APPLICABLE TO THE WHOLE OF THE WORKS**

Fixed

1	Preliminaries cost which shall be a fixed amount	Item	
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Value Related

2	Preliminaries cost which shall be varied in accordance with the value of the works	Item	
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Time Related

3	Preliminaries cost which shall be varied in accordance with the duration of the contract	Item	
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**Carried Forward to Summary of Section No. 1**

ZAR

Section No. 1  
 Bill No. 1  
 Preliminaries & General  
**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

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Item No	Quantity	Rate	Amount
<b><u>BILL NO 1</u></b>			
<b><u>ALTERATIONS</u></b>			
<u>View site</u>			
<p>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p>			
<u>Explosives</u>			
<p>No explosives whatsoever may be used for alteration purposes unless otherwise stated</p>			
<u>General</u>			
<p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p>			
<p>Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored, transported over a distance of approximately ?km to store and handed over to the employer</p>			
<b>Carried Forward</b>		ZAR	
<p>Section No. 1 Bill No. 2 Alterations</p>			
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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ZAR

Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately

Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc

Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)

**TEMPORARY BARRICADES, SCREENS,  
ETC**

**Carried Forward**

ZAR

Section No. 1  
Bill No. 2  
Alterations

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

**LANGLAAGTE VEHICLE TESTING STATION  
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<b>Brought Forward</b>		ZAR
<u>Temporary barricades, screens, roofs, etc including removal</u>		
<b>REMOVAL OF EXISTING WORK</b>		
<u>Taking out and removing doors, windows, etc, including thresholds, sills, etc (building up openings and making good finishes elsewhere)</u>		
1	Timber single door and frame exceeding 2,5m <sup>2</sup> and not exceeding 5,0m <sup>2</sup> from half or one brick wall	No 5
2	Timber double door and frame exceeding 2,5m <sup>2</sup> and not exceeding 5,0m <sup>2</sup> from half or one brick wall	No 1
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>		
3	Take out and remove window blinds	m2 30
4	Acoustic tile suspended ceilings, including suspension grid, hangers, cornices, etc	m2 250
<u>Taking out/off and removing sundry metalwork</u>		
5	Sheet metal eaves gutters and rainwater down pipes	m 159
<b>Carried Forward</b>		ZAR
Section No. 1 Bill No. 2 Alterations <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>		

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		<b>Brought Forward</b>		<b>ZAR</b>
		<u>Take up and remove wood block floor covering, vinyl floor covering, carpeting, waterproofing, etc.</u>		
6	Carpet tile floor covering including preparing screed for floor covering	m2	220	
		<u>Taking out and removing glass and mirrors</u>		
7	Glass from steel windows including cleaning out rebates and preparing for new glass	m2	4	
<b>Carried Forward to Summary of Section No. 1</b>				<b>ZAR</b>
Section No. 1 Bill No. 2 Alterations <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>				

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Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 2</u></b></p>			
<p><b><u>EARTHWORKS (MEASURED PROVISIONALLY)</u></b></p>			
<p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and any Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p>			
<p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and any Supplementary Preambles to the Model Preambles will be granted.</p>			
<p><b>SUPPLEMENTARY PREAMBLES</b></p>			
<p><u>Carting away of excavated material:</u></p>			
<p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</p>			
<p><u>Filling:</u></p>			
<p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material.</p>			
<p><b>Carried Forward</b></p>		ZAR	
<p>Section No. 1 Bill No. 3 Earthworks (Measured Provisionally) <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			



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<b>Brought Forward</b>			ZAR
<u>Testing:</u>			
Prices for filling are to include for all necessary density tests in accordance with SABS 1200D.			
Tally sheets / POD's:			
Tally sheets or proofs of delivery/collection required for earth carted away from site.			
<b>EXCAVATION, FILLING, ETC.</b>			
<b>TRENCH AND OTHER EXCAVATION</b>			
<u>Open face excavations in earth over sloping site</u>			
1	Open face excavation	m3	6
<u>Excavate in earth (soft excavation) not exceeding 2m deep below surface bed level:</u>			
2	Trenches, bases and the like, etc.	m3	4
<u>Extra over trench and hole excavations in earth for excavation in:</u>			
3	Soft rock.	m3	
4	Hard rock.	m3	
<b>Carried Forward</b>			ZAR
Section No. 1 Bill No. 3 Earthworks (Measured Provisionally) <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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<b>Brought Forward</b>		ZAR
Note: Rate only required.		
<u>Extra over all excavations for carting away:</u>		
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor  m3	6
<u>Risk of collapse of excavations</u>		
6	Sides of bulk excavations not exceeding 1,5m deep  m2	24
<u>Keeping excavations free of water</u>		
7	Keeping excavations free of water other than subterranean water  Item	
<b>FILLING, ETC</b>		
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site and compacted to 95% Mod AASHTO density in layers:</u>		
8	Backfilling to trenches, holes, etc.  m3	1
9	Underneath surface beds.  m3	2
<u>Prescribed density tests on filling.</u>		
10	Modified AASHTO Density tests below foundations.  Item	
<b>Carried Forward</b>		ZAR
Section No. 1 Bill No. 3 Earthworks (Measured Provisionally) <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>		

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<b>Brought Forward</b>			ZAR
11	Modified AASHTO Density tests below surfacebeds.		
	<b>SOIL POISONING</b>		
	Rentokil or equal and approved anti-termite soil insecticide applied by a registered pest control company and guaranteed against termite infestation for 10 years, including forming and poisoning shallow furrows along sides of foundation walls, etc., all filling in and compacting, complete:		
12	To bottoms and sides of trenches, etc.	m2	18
<b>Carried Forward to Summary of Section No. 1</b>			ZAR
Section No. 1			
Bill No. 3			
Earthworks (Measured Provisionally)			
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 3</u></b></p>			
<p><b><u>CONCRETE, FORMWORK &amp; REINFORCEMENT</u></b></p>			
<p>The contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and any Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p>			
<p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and any Supplementary Preambles to the Model Preambles will be granted.</p>			
<p>Also refer to the Engineers drawings for Concrete, reinforcing and formwork notes.</p>			
<p><b>SUPPLEMENTARY PREAMBLES</b></p>			
<p><u>Testing:</u></p>			
<p>All prescribed concrete tests are to be included in the rates for concrete items.</p>			
<p><u>Concrete surfacebeds generally:</u></p>			
<p>The thicknesses of all concrete surface beds shown on the drawings are minimum thicknesses excluding any finishes.</p>			
<p><b>Carried Forward</b></p>		ZAR	
<p>Section No. 1 Bill No. 4 Concrete, Formwork &amp; Reinforcement <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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ZAR

Surface beds must not be cast with the levels of the top surfaces more than 10mm higher than those shown on the drawings.

The contractor is solely responsible for checking the levels of the top of the filling below the surface beds before any concrete is cast to ensure that the top of the filling is at such a level that the thicknesses and top levels described above can be achieved.

The cost of any extra concrete or filling required to fill in hollows in the filling or trimming of the top of filling reduce the level of the filling to achieve the minimum thicknesses of concrete surface beds as shown on the drawings shall be for the contractor's account.

Costs of tests:

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

**REINFORCED CONCRETE CAST AGAINST  
 ALL CLASSES OF EXCAVATED SURFACES  
 OR AS INFILL**

15MPa/19mm concrete in:

1	Steps	m3	1
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1

**Carried Forward**

ZAR

Section No. 1

Bill No. 4

Concrete, Formwork & Reinforcement

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

**LANGLAAGTE VEHICLE TESTING STATION  
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		<b>Brought Forward</b>		<b>ZAR</b>
2	Strip footings, bases and pad footings.	m3	2	
3	Surfacebeds.	m3	8	
<b>TEST BLOCKS</b>				
4	Making and testing 150 x 150 x 150mm concrete strength test cube -set of 6No.	No	3	
<b>MOVEMENT JOINTS, ETC</b>				
Vertical construction joint saw cut through concrete 3mm wide x 60mm deep.				
5	Surface beds not exceeding 300mm thick.	m	10	
<b>STEEL REINFORCEMENT TO STRUCTURAL CONCRETE WORK (PROVISIONAL)</b>				
This reinforcement has not been separated into length and diameter categories.				
The Contractor's prices must allow for this and the final masses will be measured in accordance with this clause and not as stated in the Standard System of Measuring Building Work.				
6	All diameters and lengths and in terms of the engineers drawings.	t	0.60	
		<b>Carried Forward</b>		<b>ZAR</b>
Section No. 1 Bill No. 4 Concrete, Formwork & Reinforcement <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>				

**LANGLAAGTE VEHICLE TESTING STATION  
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**Brought Forward**

**ZAR**

**SURFACE TREATMENT OF  
UNREINFORCED / REINFORCED  
CONCRETE**

Finishing top surfaces of concrete smooth with a wood float.

7 Surfacebeds and steps.

m2

87

**Carried Forward to Summary of Section No. 1**

**ZAR**

Section No. 1

Bill No. 4

Concrete, Formwork & Reinforcement

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**LANGLAAGTE VEHICLE TESTING STATION  
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**SECTION SUMMARY - Section One**

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4	Concrete, Formwork & Reinforcement	15	
<b>Carried to Final Summary</b>			ZAR
Section No. 1 Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			



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Item No	Quantity	Rate	Amount
<b><u>BILL NO. 4</u></b>			
<b><u>MASONRY</u></b>			
<p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p>			
<p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p>			
<b>GENERALLY:</b>			
<u>Hollow Clay Building Blocks:</u>			
<p>Hollow clay building blocks shall comply with SABS 589.</p>			
<u>Mortar etc:</u>			
<p>All mortar shall be mixed in a mortar mixing machine or on a non-absorbent, close-jointed timber or iron platform. The mixing machine or platform shall be kept clean and old mortar shall be removed before any new batch of mortar is prepared for mixing.</p>			
<b>Carried Forward</b>		ZAR	
<p>Section No. 2 Bill No. 1 Masonry <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

**LANGLAAGTE VEHICLE TESTING STATION  
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**Brought Forward**

ZAR

Mortar Boards:

All dagha boards must be cleaned off at the end of each day.

Brickwork and Blockwork Generally:

Gauge Rod: A gauge rod must be prepared for the Project Managers's approval before any brickwork is commenced and all brickwork or blockwork must be built to this gauge.

Frogs: The frogs of all bricks must be completely filled with mortar.

Concrete filling to hollow walls, etc: Concrete filling to hollow brick walls, hollow block walls, etc has been included in the descriptions of the relevant items and the descriptions shall be deemed to include for any necessary formwork. Any reinforcement is measured separately unless otherwise described.

**SUPPLEMENTARY PREAMBLES**

Sizes in descriptions:

Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.

**Carried Forward**

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Section No. 2  
Bill No. 1  
Masonry

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

**LANGLAAGTE VEHICLE TESTING STATION  
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**Brought Forward**

ZAR

Face or Semi-Face bricks:

Bricks shall be ordered timeously to obtain uniformity in size and colour.

Pointing:

Descriptions for bagged brickwork shall be deemed to include flush face pointing.

**BRICKWORK**

**FOUNDATIONS (PROVISIONAL)**

Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar in loadbearing walls etc.

1	345mm brickwork walls.	m2	7
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**STEEL FABRIC AND WELDED REINFORCEMENT TO BRICKWORK OR BLOCKWORK**

2	To brick walls in strips 150mm wide.	m	26
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**Carried Forward**

ZAR

Section No. 2  
 Bill No. 1  
 Masonry  
**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

**LANGLAAGTE VEHICLE TESTING STATION  
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**Brought Forward**

**ZAR**

**FACE BRICKWORK**

Face brick pointed with recessed horizontal and vertical joints. (Allow P.C. amount of R3,200.00 per 1000 for supply and delivery)

3 Extra over brickwork for face brickwork

m2

7

**Carried Forward to Summary of Section No. 2**

**ZAR**

Section No. 2

Bill No. 1

Masonry

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**LANGLAAGTE VEHICLE TESTING STATION  
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Item No	Quantity	Rate	Amount
<b><u>BILL NO. 5</u></b>			
<b><u>WATERPROOFING</u></b>			
<p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p>			
<p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p>			
<b>SUPPLEMENTARY PREAMBLES</b>			
<p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p>			
<b>DAMP-PROOFING OF WALLS AND FLOORS</b>			
<p>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course or similar and approved.</p>			
1	In walls.	m2	5
<b>Carried Forward</b>		ZAR	
<p>Section No. 2 Bill No. 2 Waterproofing <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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		Brought Forward			ZAR
<b>PROTECTIVE ROOFING PAINT</b>					
Two coats approved bituminous aluminium paint on:					
2	On waterproofing.	m2	375		
<u>Primer and two coats "Durabit" rubber bitumen emulsion waterproof coating</u>					
3	On IBR, corrugated, etc. roof sheeting	m2	266		
<b>Carried Forward to Summary of Section No. 2</b>					
Section No. 2					
Bill No. 2					
Waterproofing					
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>					
				ZAR	

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Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 6</u></b>			
	<b><u>ROOF COVERING, CLADDINGS, ETC</u></b>			
	<p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p> <p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p>			
	<b>ROOF COVERINGS</b>			
	<u>SUNDRIES</u>			
1	Making good roof sheeting by screwing and sealing of loose or missing screws /nails. Sealing using waterproofing	m2	266	
	<b>Carried Forward to Summary of Section No. 2</b>		ZAR	
	Section No. 2 Bill No. 3 Roof Covering, Claddings, etc <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

**LANGLAAGTE VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
2019**

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 7</u></b>			
<b><u>CARPENTRY &amp; JOINERY</u></b>			
<p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p> <p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p>			
<b>SUPPLEMENTARY PREAMBLES</b>			
<p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p>			
<b>TIMBER DOORS</b>			
1	Refurbish existing doors by replacing all broken items, screws, handles, hinges, etc. paint and leave in good working order	No	8
<b>Carried Forward</b>		ZAR	
<p>Section No. 2 Bill No. 4 Carpentry &amp; Joinery <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			



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		<b>Brought Forward</b>		<b>ZAR</b>
		<u>Wrought Meranti doors hung to steel frames</u>		
2	44mm Framed batten door 900 x 2032mm high of 44 x 100mm top rail and stiles, 44 x 100mm middle ledge and braces and 44 x 100mm bottom rail filled in with 70mm V-jointed one side boarding and covered on other side with 3,2mm plywood with veneer to match door let into and including rebates all round	No	2	
3	44mm Framed batten double door 1616 x 2032mm high of 44 x 100mm top rail and stiles, 44 x 150mm middle ledge and 44 x 225mm bottom ledge filled in with 22mm V-jointed one side boarding	No	1	
		<u>Semi-solid flush door with sapele veneer on both sides hung to steel frames</u>		
4	40mm Door 813 x 2032mm. high	No	3	
		<b>FITTINGS</b>		
		Kitchen cupboards etc with approved hinges, handles and telescopic drawer sliders		
5	Refurbish existing floor cupboard Type F600 - (without top) - 600 x 550 x 880mm high with sides, bottom, division, shelf, and single hinged door	No	1	
		<u>32mm thick post formed (on one side) top with 0,6mm Decon Laminated in Artic Granite or similar</u>		
6	600mm wide	m	2	
		<b>Carried Forward</b>		
		<b>ZAR</b>		
		Section No. 2 Bill No. 4 Carpentry & Joinery <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>		

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	<b>Brought Forward</b>		ZAR
7	Extra over for edge strip	m	3
	<b>MERANTI/ HARDWOOD SKIRTINGS, RAILS ETC</b>		
	Wrought Meranti profiled skirtings to architects details.		
8	19 x 70mm Thick surface mounted Meranti skirting plugged and screwed to walls at 500mm centres all to the satisfaction of the Project Manager, complete (paint elsewhere measured).	m	81
	<b>EAVES, VERGES, ETC</b>		
	<u>"Everite" high density plain Pressed Nutec-cement</u>		
9	12 x 225mm fascias and barge boards including galvanised steel H-profile jointing strips	m	381
	<b>ROLL-UP, RETRACTABLE SCREENS AND BLINDS</b>		
	<u>"Windovert" or equivalent blinds</u>		
	Supply and install complete with colour co-ordinated ladder lace, cord, head and bottom rails, tilters, cord locks and installation brackets		
10	25mm blade width aluminium venetian blinds	m2	6
	<b>Carried Forward to Summary of Section No. 2</b>		ZAR
	Section No. 2 Bill No. 4 Carpentry & Joinery <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>		

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Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 8</u></b></p>			
<p><b><u>CEILING, PARTITIONS &amp; ACCESS FLOORING</u></b></p>			
<p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p>			
<p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p>			
<p><b>SUPPLEMENTARY PREAMBLES</b></p>			
<p><u>Descriptions:</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.</p>			
<p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted", the bolts are measured elsewhere.</p>			
<p><b>Carried Forward</b></p>		<p>ZAR</p>	
<p>Section No. 2                  Bill No. 5                  Ceilings, Partitions &amp; Access Flooring  <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
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<b>Brought Forward</b>		ZAR
<u>Proprietary suspended ceilings:</u>		
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121.		
<b>NAILED-UP CEILINGS</b>		
<u>Openings</u>		
Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc		
<u>6.4mm "Rhino" gypsum plasterboard with 32mm wrought softwood half round cover strip over joints</u>		
1	Ceilings including 38 x 50mm sawn softwood bandering at 400mm centres	m2 212
2	Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening on 20 x 20mm pressed steel angle	No 4
<b>CORNICES, MOULDINGS AND ROSES</b>		
<u>"Rhino" gypsum plasterboard cornice</u>		
3	75mm standard coved cornice	m 99
<b>Carried Forward</b>		ZAR
Section No. 2 Bill No. 5 Ceilings, Partitions & Access Flooring <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>		

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		Brought Forward			ZAR
<b>SUSPENDED CEILINGS</b>					
Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations					
<u>9mm White Fissured ceiling tiles on screw-up tee                  Suspended ceilings to form 1200 x 600mm suspension grid including hangers etc.</u>					
4	Align existing ceiling boards suspended not exceeding 1m below concrete soffits.	m2	64		
5	Suspended not exceeding 1m below concrete soffits.	m2	39		
<b>Carried Forward to Summary of Section No. 2</b>					
Section No. 2 Bill No. 5 Ceilings, Partitions & Access Flooring <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>					
				ZAR	

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Item No	Quantity	Rate	Amount
<b><u>BILL NO. 9</u></b>			
<b><u>FLOOR COVERING, WALL LININGS, ETC</u></b>			
The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.			
No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.			
<u>Fixing</u>			
Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc			
<u>"Belgotex Berber Point" polypropylene needlepunch carpeting laid in accordance with SABS 0186-2000 fitting code of practice</u>			
1	On floors	m2	220
<b>Carried Forward to Summary of Section No. 2</b>			ZAR
Section No. 2 Bill No. 6 Floor Covering, Wall Linings, etc <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 10</u></b>			
	<b><u>IRONMONGERY</u></b>			
	The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.			
	No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.			
	<b>HINGES, BOLTS, ETC.</b>			
	<u>"Union" or equal and approved fixed to timber</u>			
1	100mm steel hinge	No	10	
2	WC chrome plated indicator Ref SS5004-73SS	No	4	
	<b>LOCKS</b>			
	<u>"Union" or equal and approved fixed to timber</u>			
3	Key cabinet lock set.	No	1	
	<b>Carried Forward</b>			ZAR
	Section No. 2 Bill No. 7 Ironmongery <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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		<b>Brought Forward</b>		ZAR
4	Three lever lockset (2 Keys) with striking plate fixed to metal Ref. CZ682-24-52CH / SC. Lockset with lock, handles and keys, complete	No	9	
5	Four lever lockset (2 Keys) with striking plate fixed to metal Ref. CZ682-24-61CH. Lockset with lock, handles and keys, complete	No	5	
<b>BATHROOM FITTINGS</b>				
<u>"IW" or equal and approved fixed to timber</u>				
6	2.5kW Automatic electric stainless steel hand dryer (270 x 240 x 200mm), fully automatic with the following: a) an airspeed of 30m/s, b) a maintenance free motor capacitor initiated quick starts, c) vandal resistant features that include temper proof bolts, d) a side mounted heating element inaccessible through the nozzle, e) satin finish stainless steel, f) 1-year warranty	No	1	
7	Code IW7015SS wall mounted soap dispenser plugged	No	3	
8	Code IW7010SS surface mounted multi-roll (3) toilet roll dispenser plugged	No	18	
<b>LETTERS, NAMEPLATES, ETC.</b>				
<u>"Union"</u>				
9	152 x 152 x 3mm aluminium plate anodised silver with male pictogram Ref. No. AL5063E-06ASE10	No	1	
		<b>Carried Forward</b>		ZAR
Section No. 2 Bill No. 7 Ironmongery <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>				



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		<b>Brought Forward</b>			<b>ZAR</b>
10	152 x 152 x 3mm aluminium plate anodised silver with female pictogram Ref. No. AL5063E-06ASE11	No	1		
<b>DOOR CLOSERS</b>					
	<u>"Union" fixed to timber</u>				
11	Heavy duty hold open arm door closer with bracket fixed to metal Ref. No DC 744 EN 1-6 HO DA, Code: 744HO	No	1		
<b>Carried Forward to Summary of Section No. 2</b>					<b>ZAR</b>
Section No. 2 Bill No. 7 Ironmongery <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>					

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Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 11</u></b></p>			
<p><b><u>METALWORK</u></b></p>			
<p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p>			
<p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p>			
<p><b>GENERALLY:</b></p>			
<p><u>Descriptions of bolts, anchors, etc</u></p>			
<p>Descriptions of bolts shall be deemed to include nuts and washers</p>			
<p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p>			
<p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p>			
<p><b>Carried Forward</b></p>		<p>ZAR</p>	
<p>Section No. 2 Bill No. 8 Metalwork <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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**Brought Forward**

ZAR

Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres

Aluminium doors, windows, etc

Doors and windows shall comply with AAAMSA design criteria.

Glazing shall comply with SAGGA regulations. Glass shall be as shown on the window schedules/drawings appended to these bills of quantities. Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings.

Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed.

For purpose made windows and doors, refer to drawings annexed to these bills of quantities.

The following certificates shall be provided prior to commencement of site work:

A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product

A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively;

**Carried Forward**

ZAR

Section No. 2  
Bill No. 8  
Metalwork

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

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**Brought Forward**

ZAR

A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process;

A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked;

A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years.

**WELDED SCREENS, GATES, ETC**

**GALVANISED STEEL GATES, SCREENS, ETC**

**Screens and gates to doors**

- 1 Single gate 810 x 2066mm high of 50 x 50 x 2,5mm hollow section frame and two 50 x 50 x 2,5mm hollow section horizontal middle rails filled in with 20mm diameter solid vertical round bars at 89mm centres framed through middle rails and into framing and fitted with three suitable hinges welded to post and a "Union" LX 3261 security gate lock box between middle rails

No

3

**PRESSED STEEL DOOR FRAMES**

**Carried Forward**

ZAR

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 Bill No. 8  
 Metalwork

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

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		Brought Forward			ZAR
<b>GALVANISED PRESSED STEEL DOOR FRAMES</b>					
<u>1,2mm. Rebated frame suitable one brick wall</u>					
2	Frame for door size 900 x 2032mm. high	No	4		
<u>Steel Doors</u>					
3	Service existing french door by replacing, fixing, adjusting all broken or loose door components, including lockset complete and leave in good working condition.	No	1		
<b>ALUMINIUM SHOPFRONTS COMPLETE WITH GLAZING, HANDLES AND ALL ACCESSORIES</b>					
<u>Aluminium Doors</u>					
4	Service existing aluminium door by replacing, fixing, adjusting all broken or loose door components, including lockset complete and leave in good working condition.	No	1		
<b>SUNDRIES</b>					
		Carried Forward			ZAR
Section No. 2 Bill No. 8 Metalwork <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>					

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		Brought Forward			ZAR
<u>Nameboards</u>					
5	2500 x 1800 x 8mm Chromadek nameboard mounted to 50 x 50mm welded frame mounted on 2 x 75 x 3mm diameter hollow tube, with overall height of 2500mm, 500mm bottom ends cast into and including 15MPa concrete footing in ground, including excavation, ramming, removal of spoil and leaving clean and neat.	No	1		
<b>Carried Forward to Summary of Section No. 2</b>					
Section No. 2					
Bill No. 8					
Metalwork					
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>					
				ZAR	

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**Item  
 No**

**Quantity**

**Rate**

**Amount**

**BILL NO. 12**

**TILING**

The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.

No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.

**SUPPLEMENTARY PREAMBLES**

Fixing:

Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.

Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles.

**Carried Forward**

ZAR

Section No. 2  
 Bill No. 9  
 Tiling

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		Brought Forward			ZAR
<b>FLOOR TILES</b>					
10mm Ceramic tiling with a Prime Cost of R200 per square metre including approved adhesive, grouting (colour to Project Manager's specification), necessary floor patching and preparation work to receive new finish, expansion joints, cutting and waste, all to the satisfaction of the principal agent, complete, to:					
1	On floors.	m2	5		
2	On narrow widths	m2	1		
<b>Carried Forward to Summary of Section No. 2</b>					
Section No. 2					
Bill No. 9					
Tiling					
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>					
					ZAR



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Item No	Quantity	Rate	Amount
<b><u>BILL NO. 13</u></b>			
<b><u>GLAZING</u></b>			
The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.			
No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.			
<u>Float glass</u>			
The term "float glass" is used for monolithic annealed glass			
<u>Laminated glass</u>			
Laminated glass to have polyvinyl butyral (PVB) interlayer(s)			
<b>GLAZING TO STEEL WITH PUTTY</b>			
<u>4mm. clear float glass</u>			
1	4mm Glass	m2	3
<b>Carried Forward</b>			ZAR
Section No. 2 Bill No. 10 Glazing <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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Brought Forward			ZAR
<b>GLAZING TO ALUMINIUM WITH CLIP ON BEADS (BEADS MEASURED ELSEWHERE)</b>			
<u>6.38mm clear toughened safety glass</u>			
2	6.38mm Glass	m2	1
<u>Vinyl films and tinting</u>			
3	Vinyl film including muriels to glazing	m2	28
4	Vinyl film to glazing	m2	271
<b>GLASS IN TOPS, SHELVES, DOORS, MIRRORS, ETC.</b>			
5	Reinstall existing mirror 400 x 400mm high with four screws	No	6
<u>5mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>			
6	Mirror 400 x 400mm high with four screws	No	4
<b>Carried Forward to Summary of Section No. 2</b>			ZAR
Section No. 2			
Bill No. 10			
Glazing			
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 14</u></b></p>			
<p><b><u>PLUMBING &amp; DRAINAGE (MEASURED PROVISIONALLY)</u></b></p>			
<p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p>			
<p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p>			
<p><b>SUPPLEMENTARY PREAMBLES</b></p>			
<p><u>Sealing of edges:</u></p>			
<p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone.</p>			
<p><u>PVC-U pipes and fittings:</u></p>			
<p>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 or sealed with butyl rubber rings.</p>			
<p><b>Carried Forward</b></p>		ZAR	
<p>Section No. 2 Bill No. 11 Plumbing &amp; Drainage (Measured Provisionally) <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

**LANGLAAGTE VEHICLE TESTING STATION  
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2019**

**Brought Forward**

ZAR

PVC-U pressure pipes and fittings:

Pipes of 50mm diameter and smaller shall be plain ended with solvent welded PVC-U loose sockets and fittings. Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be PVC-U and all other fittings shall be cast iron, all with similar push-in type joints.

High density polyethylene (HDPE) pipes and fittings:

Pipes shall be type IV and of the class specified with compression fittings Polypropylene pipes.

Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with heat welded thermoplastic or where so described compression fittings. Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions.

**Carried Forward**

ZAR

Section No. 2  
Bill No. 11  
Plumbing & Drainage (Measured Provisionally)  
**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

**LANGLAAGTE VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
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2019**

**Brought Forward**

ZAR

Copper pipes:

Pipes shall be hard drawn and half hard pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Capillary solder fittings shall comply with ISO 2016 Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition.

Reducing fittings:

Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained Fixing of pipes.

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

Paper wrapping to pipes:

Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings.

**Carried Forward**

ZAR

Section No. 2

Bill No. 11

Plumbing & Drainage (Measured Provisionally)

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

**LANGLAAGTE VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
2019**

**Brought Forward**

ZAR

Disinfection of water pipework:

Water pipework is to be disinfected at completion.

Petrolatum anti-corrosion tape:

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied in the appropriate widths and with overlaps. Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions.

Prices for wrapping of pipes shall include for all work as described to couplings in the length.

Laying, backfilling, bedding, etc of pipes:

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

Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001.

**Carried Forward**

ZAR

Section No. 2

Bill No. 11

Plumbing & Drainage (Measured Provisionally)

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**Brought Forward**

ZAR

General:

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately). Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends. Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 95% Mod AASHTO density and disposal of surplus material on site.

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes (adaptors for connections to copper pipes, etc are given separately).

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured).

**RAINWATER DISPOSAL**

Ogee profile seamless aluminium guttering fixed to fascia boards (fascias elsewhere measured).

1	125 x 85mm OGEE eaves gutter	m	155
2	75 x 50mm fluted rainwater pipe	m	102

**Carried Forward**

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Section No. 2

Bill No. 11

Plumbing &amp; Drainage (Measured Provisionally)

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

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		Brought Forward		ZAR
3	125 x 85mm eaves gutter mitre corner	No	8	
4	125 x 85mm eaves gutter stopped end	No	12	
5	75 x 50mm eaves gutter outlet	No	26	
6	75 x 50mm crimped rainwater pipe bend	No	26	
7	75 x 50mm crimped rainwater pipe shoe	No	26	
<b>CLEAR SEWER AND WASTE WATER BLOCKAGE</b>				
<u>Locate blockage, clear waste pipes by means of rodding distances between access eyes/open end (referred to as "Pipe Length") not exceeding 2m and removing all obstructions, etc. leaving pipes open and free flowing including disposal of all materials causing blockage.</u>				
Pipe length not exceeding 10m Length				
8	Not exceeding 40mm diameter pipe, not exceeding 10m		Item	
<b>REPLACE DAMAGED UNDERGROUND SEWER PIPE AND FITTINGS</b>				
		Carried Forward		ZAR
Section No. 2 Bill No. 11 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD				



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<b>Brought Forward</b>			ZAR
	<u>Locate, excavate for and replace damage to uPVC drain pipe and / or fittings in landscaped areas including backfilling, compacting, etc. and leave in good working order.</u>		
	Laid in excavations not exceeding 1m deep		
9	110mm Ø pipe	m	18
<b>REPLACE DAMAGED SANITARY FITTINGS</b>			
	<u>Carefully take out and remove damaged sanitary fitting, replace with new including effecting all existing brackets, couplings, connections and re-fixing existing taps, valves, etc. making good existing finishers as necessary and leave in good working order.</u>		
	Econo pans - Low cost "Housing" Flats, Old Age Homes, Hostels, RDP etc		
10	Replace WC Heavy duty double flap plastic seat	No	10
11	Replace WC Heavy duty seat cover	No	10
	<u>Vitreous China Sanitaryware - "Vaal" or equally approved</u>		
12	Refurbish existing stand-alone urinal	No	1
13	Re-install existing WCs	No	6
<b>Carried Forward</b>			ZAR
Section No. 2			
Bill No. 11			
Plumbing & Drainage (Measured Provisionally)			
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		<b>Brought Forward</b>		<b>ZAR</b>
14	Re-install existing WCs	No	7	
<b>REPLACE DAMAGED TAPS, VALVES, ETC.</b>				
<u>Carefully take out and remove damaged item, replace with new including handle styles to match existing, washers, flanges, capnuts, couplers, etc. and making good existing finishers as necessary.</u>				
Chromium plated - Heavy pattern SABS 226 - 1987 - Class 1				
"Cobra Watertech" or equally approved				
15	Stella Sink mixer pillartap with aerator - 3396SB, including flexi pipe	No	1	
16	Stella 15mm Raised nose pillartap - 3314SB including flexi pipe	No	2	
<b>SUNDRIES</b>				
17	Replace 15mm leaking tap or stoptap washer including spindle gland packing	No	1	
18	Replace leaking or damaged rubber flushpipe connector	No	4	
19	Attend to, fix leaking waste union and tighten backnut	No	8	
		<b>Carried Forward</b>		<b>ZAR</b>
Section No. 2				
Bill No. 11				
Plumbing & Drainage (Measured Provisionally)				
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		Brought Forward			ZAR
20	Seal leaking uPVC or cast iron WC pan connector joint	No	8		
<p><b>REPLACE DAMAGED SOIL, SEWER, WASTE, VENT PIPE AND FITTINGS</b></p> <p><b>PVC-U SOIL, SEWERAGE</b></p> <p><u>Supply and install PVC-U class 51 - 100kPa Normal duty pipes, alteration, bedding and backfill measured elsewhere</u></p> <p><u>Extra over uPVC pipes for fittings</u></p>					
21	110mm Bend	No	8		
<p><b>REPLACE DAMAGED ELECTRIC WATER HEATERS AND ACCESSORIES</b></p> <p><b>KWIKOT OR EQUIVALENT: Geyser with a 5-year warranty</b></p>					
		Carried Forward			ZAR
<p>Section No. 2                  Bill No. 11                  Plumbing &amp; Drainage (Measured Provisionally)                  Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>					

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	<b>Brought Forward</b>		<b>ZAR</b>
	<p><u>Locate damage, isolate affected area including draining existing geyser, uncoupling water and electrical connection, lift and remove where required and replace with new geyser and / or accessories complete with re-fitting connections and bond to earth, all fixings, mountings brackets, etc. and leave in good working order.</u></p>		
22	<p>200 Litre standard high pressure universal wall or roof void mounted water heater complete with connection points for water inlet and outlet, safety valve connection point, sacrificial anode, spiral element and adjustable thermostat, drip tray, vacuum breakers (all other accessories elsewhere).</p>	No	2
			<b>ZAR</b>
	<b>Carried Forward to Summary of Section No. 2</b>		<b>ZAR</b>
	<p>Section No. 2                      Bill No. 11                      Plumbing &amp; Drainage (Measured Provisionally)                      Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>		

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Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 15</u></b></p>			
<p><b><u>ELECTRICAL WORK</u></b></p>			
<p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p>			
<p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p>			
<p><b>SUPPLEMENTARY PREAMBLES</b></p>			
<p><u>Distribution boards etc:</u></p>			
<p>Rates for distribution boards etc are to include for busbars, jumpers, neutral bars, internal wiring and connections, circuit identification markers, control gear labels, circuit legend cards and working drawings Switches, socket outlets, etc.</p>			
<p>Rates for switches, socket outlets, etc are to include for screwing to outlet boxes, connecting up and cover plates.</p>			
<p><b>Carried Forward</b></p>		<p>ZAR</p>	
<p>Section No. 2 Bill No. 12 Electrical Work <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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<b>Brought Forward</b>			ZAR
	<u>Switches, socket outlets, etc</u>		
	Rates for switches, socket outlets, etc are to include for screwing to outlet boxes, connecting up and cover plates		
	<u>Light fittings</u>		
	Rates for light fittings are to include for hanging, fixing and connecting and for lamp holders and fluorescent tubes and lamps of the type and wattage described		
<b>LOW VOLTAGE CABLES</b>			
	<u>600/1000V grade PVC/SWA/PVC stranded copper conductor cable. Including terminations. Cable laid in trenching and in sleeves (Excavations and sleeves are measured elsewhere). Supply and install in parallel</u>		
1	95mm <sup>2</sup> x 4c	m	200
<b>DISTRIBUTION BOARDS</b>			
	<u>Refurbish existing boards to comply with SANS 10142-Wiring regulations, including all accessories</u>		
2	Electrical DB	No	8
<b>BARE STRANDED COPPER CABLE</b>			
<b>Carried Forward</b>			ZAR
	Section No. 2 Bill No. 12 Electrical Work <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>		

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<b>Brought Forward</b>			ZAR
	<u>Bare stranded copper earth wire strapped to cables, including terminations and all accessories, supply and install</u>		
3	70mm <sup>2</sup>	m	200
	<u>Supply and install the following structural earthing and lightning protection with all accessories and a COC</u>		
4	Design and install		SUM
	<b>Supply, deliver and install in conduits the following insulated copper wires</b>		
5	2,5mm <sup>2</sup> for lighting	m	1 800
6	2.5 mm <sup>2</sup> insulated green earth wire	m	3 200
7	4,0mm <sup>2</sup> for SSO outlets	m	4 200
	<b>EXCAVATIONS</b>		
	<u>Excavate for cable and sleeves trenches including temporary support of sides, keeping excavations dry, backfilling and compacting to the Engineers specification, including bedding under and filling around cable comprising sifted sand</u>		
8	Soil	m <sup>3</sup>	50
	<b>Carried Forward</b>		ZAR
	Section No. 2 Bill No. 12 Electrical Work <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>		

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Brought Forward			ZAR
9	Soft Rock	m3	
10	Hard Rock	m3	
<b>POWER SKIRTING</b>			
11	Supply and install 2 compartment skirting, colour to match existing	m	180
<b>SLEEVES</b>			
12	Supply and Install 100mm Sleeves	m	150
13	Draw wire	m	450
<b>LUMINAIRES AND EQUIPMENT</b>			
<u>Supply and install luminaires or equipment complete with lamps, connections, etc mounted in position indicated on the drawing</u>			
14	Bulkhead luminaire with aluminium base and polycarbonate lens complete with 12W LED lamps	No	36
15	28W LED Weatherproof luminaire complete with cool white lamps	No	120
Carried Forward			ZAR
Section No. 2 Bill No. 12 Electrical Work <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			



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<b>Brought Forward</b>			ZAR
<u>Switches, etc complete with cover plate fixed on power skirting</u>			
16	16A One-lever one-way switch	No	6
17	16A One-lever two-way switch	No	2
18	16A Three-pin switched socket outlet water proof	No	2
19	Photocell	No	10
20	Isolators	No	10
21	Tel/Data points	No	22
22	16A Three-pin switched socket outlet	No	35
<b>CERTIFICATES OF COMPLIANCE</b>			
<u>Allow for Testing and Commissioning</u>			
23	Electrical COC		SUM
24	Allow For Circuit Labelling		SUM
25	Allow For De-commissioning of electrical works now redundant.		SUM
<b>Carried Forward to Summary of Section No. 2</b>			ZAR
Section No. 2			
Bill No. 12			
Electrical Work			
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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**Item  
 No**

**Quantity**

**Rate**

**Amount**

**BILL NO. 16**

**MECHANICAL WORK**

The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and any Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.

No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and any Supplementary Preambles to the Model Preambles will be granted.

**SUPPLEMENTARY PREAMBLES**

Specifications, drawings, etc

Tenderers are referred to the specification and/or drawings prepared by the mechanical engineer, annexed to these bills of quantities (accompanying these bills of quantities) for the mechanical work, for the full descriptions of the following items which are to be read and priced in conjunction with the said specification and drawings

**Carried Forward**

ZAR

Section No. 2

Bill No. 13

Mechanical Work

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**Brought Forward**

ZAR

Ductwork

Descriptions of ducts shall be deemed to include stiffeners, jointing materials, sealants, couplers in the running length and access/inspection panels in accordance with the specification

Dampers

Descriptions of smoke and fire dampers shall be deemed to include fusible links, sleeves, frames, supports and access openings in ducts

Air diffusion

Descriptions of air terminals, grilles, louvres and the like shall be deemed to include necks, frames, supports and flexible connections

Fans

Descriptions of fan assemblies shall be deemed to include supports from the structure, flexible or other connections to ductwork, vibration isolation mountings and airtight inspection doors

Sound attenuators

Descriptions of sound attenuators shall be deemed to include flanged or flexible connections to ducts and supports from the structure

**Carried Forward**

ZAR

Section No. 2

Bill No. 13

Mechanical Work

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**Brought Forward**

ZAR

Fan coil units, fan air terminals and fan heaters

Descriptions of fan coil units, fan air terminals and fan heaters shall be deemed to include connection points for water, air and electrical supply, for air grilles, dust trays, condensate trays and vibration isolation mountings. Flexible ducts, flexible hose and connecting cables for connecting these units to each other or to water pipe, and electrical supply are separately measured

Major equipment

Descriptions of major equipment such as chillers, air handling units and the like shall be deemed to include connections to water, air and electrical supply and/or discharge points, supports, bearers, vibration insulation mountings, filters, insulation, inspection ladders and gangways, access doors and panels and painting etc as specified

Piping

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

**Carried Forward**

ZAR

Section No. 2

Bill No. 13

Mechanical Work

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<b>Brought Forward</b>		<b>ZAR</b>
<u>Fixing of pipes</u>		
Unless otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level		
<u>Pump sets</u>		
Descriptions of pumps shall be deemed to include connections to water and electrical supply and/or discharge points, vibration insulation mountings, insulation, drip trays with outlets, pressure gauges, etc		
<u>Valves</u>		
Descriptions of valves shall be deemed to include flanged or screwed connections to pipes, reducers, supports, etc		
<u>Insulation</u>		
Descriptions of insulation shall be deemed to include priming the pipes with zinc chromate primer before the insulation is applied, painting the insulation when completed and applying vapour barrier where specified		
<b>PROVISIONAL SUMS</b>		
<u>Airconditioning</u>		
1	Allow for a provisional amount of Sixty Five Thousand for the refurbishment and repairs of existing air-conditioning units, including issuing COCs.	SUM
<b>Carried Forward</b>		<b>ZAR</b>
Section No. 2 Bill No. 13 Mechanical Work <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>		

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		<b>Brought Forward</b>			<b>ZAR</b>
	<u>Fire Protection</u>				
2	Allow a provisional amount of Fifty Thousand for refurbishing any defective fire protection equipment, including issuing COCs.	m	1		
<b>Carried Forward to Summary of Section No. 2</b>					<b>ZAR</b>
Section No. 2 Bill No. 13 Mechanical Work <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>					

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Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 17</u></b></p>			
<p><b><u>PAINTWORK</u></b></p>			
<p>The Contractor .must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p>			
<p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p>			
<p><b>GENERALLY:</b></p>			
<p><u>Materials:</u></p>			
<p>All painting materials used on this contract shall be of the manufacture specified and shall comply with the manufacturer's application instructions. Only those paints and materials that have been approved by the Project Manager shall be brought on the site and used on the works. The Project Manager may inspect the paints so brought on and take samples from them for testing purposes.</p>			
<p>On no account may paints from different manufacturers be mixed together.</p>			
<p><b>Carried Forward</b></p>		ZAR	
<p>Section No. 2                  Bill No. 14                  Paintwork  <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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**Brought Forward**

ZAR

Application of paint:

Exterior painting shall not be carried out during rainy damp, frosty or other inclement weather or when such weather can reasonably be expected within the next eight hours. Each coat of paint, irrespective of the method of application, shall be adequately and permanently keyed on to the previous coat or surface and shall be evenly distributed, continuous and shall dry to a smooth film free of sags, runs or other imperfections.

Each priming coat and undercoat of painting shall be inspected by the Project Manager before any subsequent undercoat or finishing coat is applied.

Priming coats shall be well brushed in to obtain maximum penetration.

**SUPPLEMENTARY PREAMBLES**

All paintwork is to have a minimum maintenance cycle of 7 years in an inland environment.

All paintwork is to be applied in strict accordance with the manufacturers instructions.

All surfaces to be dry, sound and clean, properly cured, and rubbed down to remove all projections and imperfections prior to painting.

**PAINTWORK, ETC. TO NEW WORK**

**Carried Forward**

ZAR

Section No. 2  
Bill No. 14  
Paintwork

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**



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		Brought Forward		ZAR
<b>ON PLASTER BOARD</b>				
<u>One coat alkaline resistant plaster primer and two coats superior acrylic PVA emulsion paint</u>				
1	On ceilings and cornices	m2	212	
<b>ON METAL</b>				
<u>Spot prime defects in pre-primed surfaces with zinc chromate primer and apply one universal alkyd based undercoat and two coats alkyd based high gloss enamel paint</u>				
2	On gates, grilles, burglar screens, balustrades, steel palisade, etc (both sides measured over full flat area)	m2	4	
3	On door frames	m2	10	
<b>ON FIBRE-CEMENT</b>				
<u>One coat alkaline resistant plaster primer and two coats superior acrylic PVA emulsion paint</u>				
4	On fascias and barge boards	m2	46	
<b>ON WOOD</b>				
		Carried Forward		ZAR
Section No. 2 Bill No. 14 Paintwork Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD				

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<b>Brought Forward</b>			ZAR
	<u>One coat wood primer, one universal alkyd based undercoat and two coats alkyd based eggshell enamel paint</u>		
5	On doors	m2	32
<b>PAINTWORK, ETC. TO PREVIOUSLY PAINTED WORK</b>			
<b>PREPARATORY WORK TO EXISTING WORK</b>			
<b>ON FLOATED PLASTER</b>			
	<u>One coat alkaline resistant plaster primer, one coat universal alkyd based undercoat and one coats alkyd based eggshell enamel paint on work in poor condition</u>		
6	On columns and beams	m2	8
	<u>One coat resin based bonding liquid two coats superior acrylic PVA emulsion paint on work in poor condition</u>		
7	On internal walls	m2	4 046
8	On external walls	m2	100
9	On ceilings	m2	501
<b>Carried Forward</b>			ZAR
Section No. 2			
Bill No. 14			
Paintwork			
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<b>Brought Forward</b>			ZAR
<b>ON PLASTER BOARD</b>			
<u>One coat resin based bonding liquid and two coats superior acrylic PVA emulsion paint on work in poor condition</u>			
10	On ceilings and cornices	m2	303
11	On drywall partitions	m2	363
<b>ON FIBRE-CEMENT</b>			
<u>One coat resin based bonding liquid and two full coats UV resistant water based acrylic roof paint on work in poor condition</u>			
12	On fascias and barge boards	m2	138
<b>ON METAL</b>			
<u>Two coats alkyd based high gloss enamel paint on previously painted steel in sound condition</u>			
13	On door frames	m2	7
14	On window frames with burglar bars	m2	32
15	On steel french door	m2	6
<b>Carried Forward</b>			ZAR
Section No. 2			
Bill No. 14			
Paintwork			
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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<b>Brought Forward</b>			ZAR
16	On gates, grilles, burglar screens, balustrades, etc (both sides measured over full flat area)	m2	226
17	On palisade fencing	m2	3 380
18	On steel posts (Carports)	m2	69
19	On eaves gutters/rainwater downpipes not exceeding 300mm girth	m	600
<b>ON WOOD</b>			
<u>Spot prime bare wood surfaces with wood primer and apply one universal alkyd based undercoat and two coats alkyd based eggshell enamel paint on previously painted surfaces in poor condition</u>			
20	On doors	m2	45
<b>Carried Forward to Summary of Section No. 2</b>			ZAR
Section No. 2			
Bill No. 14			
Paintwork			
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

**LANGLAAGTE VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
2019**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 18</u></b>			
	<b><u>EXTERNAL WORKS</u></b>			
	The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.			
	No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.			
	<b>ASPHALT</b>			
	<u>Tar Surfacing (Parking and walkways)</u>			
1	Tar road resurfacing and making good in bad condition (measured provisionally)	m2	150	
	<u>Paintwork</u>			
	Two coats reflective road marking paint on tarmacadam			
	Etching primer and two coats reflective road marking paint on concrete			
2	100mm Wide line	m	10 000	
	<b>Carried Forward</b>			ZAR
	Section No. 2 Bill No. 15 External Works <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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		<b>Brought Forward</b>		<b>ZAR</b>
3	The word "STOP" painted with 2 500 mm high x 510 mm wide	No	10	
	<u>Road Signs (measured provisionally)</u>			
4	Standard 600 mm extreme wide octagonal STOP sign	No	5	
5	Standard 450 mm diameter "parking" sign	No	5	
6	Standard 450 mm diameter "no parking" sign	No	5	
	<u>Foot pieces</u>			
7	Replace damaged footpieces at the driver's license testing centre	No	72	
	<b>FENCING</b>			
	<u>Mild steel welded palisade fence including spot prime exposed metal surfaces and two coats high gloss enamel paint</u>			
8	Fix existing palisade fence vehicle sliding gate 6000mm wide x 1800mm high overall, formed of 150 x 75 x 3mm thick hollow section frame, 100 x 75 x 3mm thick hollow section middle rail and cross bracing bars and with 25 x 25 x 2.5mm thick angle section spiked vertical bars at maximum 143mm centres welded to frame, middle rail and cross bracing bars complete with approved heavy duty castors, security type locking device suitable for hand operated control rail, gate stops, gate guides, etc.	No	1	
	<b>Carried Forward to Summary of Section No. 2</b>			<b>ZAR</b>
	Section No. 2 Bill No. 15 External Works <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

**LANGLAAGTE VEHICLE TESTING STATION  
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 CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
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Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 19</u></b></p> <p><b><u>PROVISIONAL SUMS</u></b></p> <p>The Contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.</p> <p>No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.</p> <p><b>GENERALLY:</b></p> <p>Prime cost amounts and provisional sums are net. Prime cost amounts shall include for delivery to site of all articles concerned Provisional sums are for material and equipment supplied and installed complete by firms of specialists Profit.</p> <p>Where stated, the contractor may allow for profit if required.</p> <p>The item "attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors the contractor's duties as described in clause 12.2 of the JBCC N/S Subcontract Agreement.</p>			
<b>Carried Forward</b>		ZAR	
<p>Section No. 2                      Bill No. 16                      Provisional Sums  <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

**LANGLAAGTE VEHICLE TESTING STATION  
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**Brought Forward**

ZAR

Special attendance on nominated/selected subcontractors:

Where "special attendance" such as unloading, storing, placing in position, providing special power supplies, specific hoisting, crane and scaffolding requirements, provision of temporary casing and/or other specific protection of the works, special security and clearing away rubbish is required, a separate item describing the specific requirements in detail is to be provided for the pricing of such requirements Builder's work.

Builder's work in connection with specialist services is given elsewhere in these bills of quantities.

**PROVISIONAL SUMS FOR DOMESTIC /  
NOMINATED / SELECTED SUBCONTRACT  
WORKS**

**VEHICLE TESTING STATION EQUIPMENT**

1 Allow a provisional amount of Sixty Thousand for replacing vehicle testing station equipment (Play detectors, brake rollers, hydraulic jacks, calibration of weighbridge, etc) and issuing of compliance certificate

Item

2 Allow for profit at 7.5%

%

3 Allow for attendance at 5%

%

**Carried Forward**

ZAR

Section No. 2

Bill No. 16

Provisional Sums

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**



**LANGLAAGTE VEHICLE TESTING STATION  
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**Brought Forward**

ZAR

**SALARY TO THE COMMUNITY LIAISON  
OFFICE**

- 4 For the Community Liaison Officer (CLO) salary,  
including cell phone allowance.

SUM

**Carried Forward to Summary of Section No. 2**

ZAR

Section No. 2

Bill No. 16

Provisional Sums

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

**LANGLAAGTE VEHICLE TESTING STATION  
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**SECTION SUMMARY - Section Two**

<b>Bill No</b>		<b>Page No</b>	<b>Amount</b>
1	Masonry	20	
2	Waterproofing	22	
3	Roof Covering, Claddings, etc	23	
4	Carpentry & Joinery	26	
5	Ceilings, Partitions & Access Flooring	29	
6	Floor Covering, Wall Linings, etc	30	
7	Ironmongery	33	
8	Metalwork	38	
9	Tiling	40	
10	Glazing	42	
11	Plumbing & Drainage (Measured Provisionally)	52	
12	Electrical Work	57	
13	Mechanical Work	62	
14	Paintwork	68	
15	External Works	70	
16	Provisional Sums	73	

**Carried to Final Summary**

ZAR

Section No. 2

**Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD**

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**FINAL SUMMARY**

Section No		Page No		Amount
1	Section One	16		
2	Section Two	74		
	Allow a 5% contingency amount		ZAR	
	Allow an amount of One Hundred and Ninety Nine Thousand Eight Hundred and Seventy Two and Sixty One (ZAR199 872.61) for quantity surveying fees (Bills of Quantities production)	Item		
	Allow an amount of One Hundred and Forty One Thousand Two Hundred and Forty Three and Thirty One (ZAR141 243.31) for project management professional fees during the execution of the project	Item		
	Add Value Added Tax @ 15%		ZAR	
	<b>Carried to Form of Tender</b>		ZAR	
	<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			