

**RANDBURG 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>MINOR WORKS AGREEMENT</b>			
	The JBCC Minor Works Agreement (March 2014 Fifth 5.1) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described.			
	<b>PRELIMINARIES</b>			
	The ASQS Preliminaries (March 2014 edition 5.1) published by the Association of South African Quantity Surveyors for use with the said JBCC Minor Works Agreement shall be deemed to be incorporated in these bills of quantities.			
	<b>PRELIMINARIES APPLICABLE TO THE WHOLE OF THE WORKS</b>			
	<u>Fixed</u>			
1	Preliminaries cost which shall be a fixed amount	Item		
	<u>Value Related</u>			
2	Preliminaries cost which shall be varied in accordance with the value of the works	Item		
	<u>Time Related</u>			
3	Preliminaries cost which shall be varied in accordance with the duration of the contract	Item		
	<b>Carried to Final Summary</b>		ZAR	
	Section No. 1			
	Bill No. 1			
	Preliminaries & General			
	<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
2019**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO 1</u></b>			
	<b><u>ALTERATIONS</u></b>			
	<u>View site</u>			
	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			
	<u>Explosives</u>			
	No explosives whatsoever may be used for alteration purposes unless otherwise stated			
	<u>General</u>			
	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			
	<b>Carried Forward</b>		ZAR	
	Section No. 2 Bill No. 1 Alterations <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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

<p style="text-align: center;"><b>Brought Forward</b></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 1km to store and handed over to the employer</p> <p>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</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>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</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p>	<p style="text-align: center;"><b>ZAR</b></p>
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 2 Bill No. 1 Alterations <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>	<p style="text-align: center;"><b>ZAR</b></p>

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2019**

<b>Brought Forward</b>		<b>ZAR</b>	
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)			
<b>TEMPORARY BARRICADES, SCREENS, ETC</b>			
<u>Temporary barricades, screens, roofs, etc including removal</u>			
<b>REMOVAL OF EXISTING WORK</b>			
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
1	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	25
2	Translucent roof sheeting	m2	40
3	Carefully lift concrete roof tiles and lay aside for re-use	m2	330
<b>Carried Forward</b>		<b>ZAR</b>	
Section No. 2 Bill No. 1 Alterations <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

**RANDBURG VEHICLE TESTING STATION**  
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**CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT**  
**2019**

Brought Forward			ZAR
	<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>		
4	110mm PVC piping including fittings and brackets	m	4
5	Vitreous china WC pan and cistern	No	1
6	Vitreous china urinal 1200 x 1500mm high and high level cistern including breaking up and removing 400mm wide concrete urinal step	No	1
	<u>Take up and remove wood block floor covering, vinyl floor covering, carpeting, waterproofing, etc.</u>		
7	Carpet tile floor covering including preparing screed for floor covering	m2	4
	<u>Taking out and removing glass and mirrors</u>		
8	Glass from steel windows including cleaning out rebates and preparing for new glass	m2	10
<b>BUILDING UP OPENINGS</b>			
	<u>Brickwork in NFP bricks in class II mortar in building up openings</u>		
9	One brick walls	m2	3
Carried Forward			ZAR
Section No. 2 Bill No. 1 Alterations Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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

Brought Forward		ZAR	
MAKING GOOD OF FINISHES ETC			
<u>Making good internal cement plaster</u>			
10	Walls in patches, including chicken mesh wire	m2	10
Carried Forward to Summary of Section No. 2		ZAR	
Section No. 2			
Bill No. 1			
Alterations			
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**RANDBURG VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
2019**

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 2</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> <p><b>GENERALLY:</b></p> <p><u>Hollow Clay Building Blocks:</u></p> <p>Hollow clay building blocks shall comply with SABS 589.</p> <p><u>Mortar etc:</u></p> <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. 2 Masonry <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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

**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**

ZAR

Section No. 2

Bill No. 2

Masonry

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

		Brought Forward			ZAR
		<u>Face or Semi-Face bricks:</u>			
		Bricks shall be ordered timeously to obtain uniformity in size and colour.			
		<u>Pointing:</u>			
		Descriptions for bagged brickwork shall be deemed to include flush face pointing.			
		<b>BRICKWORK</b>			
		<b>FOUNDATIONS (PROVISIONAL)</b>			
		Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar in loadbearing walls etc.			
1	Half brick walls		m2	5	
		<b>STEEL FABRIC AND WELDED REINFORCEMENT TO BRICKWORK OR BLOCKWORK</b>			
2	To brick walls in strips 75mm wide.		m	20	
		<b>Carried Forward to Summary of Section No. 2</b>			ZAR
		Section No. 2			
		Bill No. 2			
		Masonry			
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**RANDBURG VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
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2019**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 3</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>PROTECTIVE ROOFING PAINT</b>			
	Two coats approved bituminous aluminium paint on:			
1	On waterproofing.	m2	921	
	<b>Carried Forward</b>		ZAR	
	<p>Section No. 2 Bill No. 3 Waterproofing <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

2020/06/02

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

Brought Forward			ZAR
	<u>Primer and two coats "Durabit" rubber bitumen emulsion waterproof coating</u>		
2	On IBR, corrugated, etc. roof sheeting	m2	921
Carried Forward to Summary of Section No. 2			ZAR
Section No. 2			
Bill No. 3			
Waterproofing			
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**RANDBURG VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
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2019**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 4</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>Concrete Roof Tiles</u>			
	Relay existing concrete roof tiles that were lifted and set aside for re-use			
1	Roof covering with pitches not exceeding 25 degrees	m2	330	
2	Concrete roof ridge to match existing	m	30	
	<u>Corrugated Roof Sheets</u>			
	0,58mm corrugated profile roll-formed Z275 spelter sheeting with "Global-Sil" finish on one side, in single lengths fixed to timber/steel purlins or rails and 0,58mm accessories with "Global-Sil" finish on one side			
	<b>Carried Forward</b>		ZAR	
	<p>Section No. 2 Bill No. 4 Roof Covering, Claddings, etc <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

-13-

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

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</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	7	
	<b>Carried Forward</b>		ZAR	
	<p>Section No. 2 Bill No. 5 Carpentry &amp; Joinery <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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**2019**

Brought Forward		ZAR
<b>FITTINGS</b>		
Kitchen cupboards etc with approved hinges, handles and telescopic drawer sliders		
2	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
<b>Carried Forward to Summary of Section No. 2</b>		ZAR
Section No. 2		
Bill No. 5		
Carpentry & Joinery		
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**RANDBURG VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
2019**

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 6</u></b>			
<b><u>CEILINGS, PARTITIONS &amp; ACCESS FLOORING</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>			
<u>Descriptions:</u>			
<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>			
<b>Carried Forward</b>		ZAR	
<p>Section No. 2 Bill No. 6 Ceilings, Partitions &amp; Access Flooring <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			



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

<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	25	
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	1	
<b>CORNICES, MOULDINGS AND ROSES</b>				
<u>"Rhino" gypsum plasterboard cornice</u>				
3	75mm standard coved cornice	m	15	
<b>Carried Forward to Summary of Section No. 2</b>				ZAR
Section No. 2				
Bill No. 6				
Ceilings, Partitions & Access Flooring				
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>				

**RANDBURG 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>FLOOR COVERING, WALL LININGS, 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> <p><u>Fixing</u></p> <p>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p><u>Studio floor finish or similarly approved</u></p>			
1	On floors	m2	70	
	<b>Carried Forward to Summary of Section No. 2</b>			ZAR
	Section No. 2 Bill No. 7 Floor Covering, Wall Linings, etc <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 8</u></b>			
<b><u>METALWORK</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> <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>			
<b>Carried Forward</b>		ZAR	
<p>Section No. 2 Bill No. 8 Metalwork <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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

<p style="text-align: center;"><b>Brought Forward</b></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><u>Aluminium doors, windows, etc</u></p> <p>Doors and windows shall comply with AAAMSA design criteria.</p> <p>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.</p> <p>Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed.</p> <p>For purpose made windows and doors, refer to drawings annexed to these bills of quantities.</p> <p>The following certificates shall be provided prior to commencement of site work:</p> <p>A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product</p> <p>A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively;</p>	<p style="text-align: center;">ZAR</p>
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 2  Bill No. 8  Metalwork  <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>	<p style="text-align: center;">ZAR</p>

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**2019**

	<p style="text-align: right;"><b>Brought Forward</b></p> <p>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;</p> <p>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;</p> <p>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.</p> <p><b>WELDED SCREENS, GATES, ETC</b></p> <p><b>GALVANISED STEEL GATES, SCREENS, ETC</b></p> <p><b>Screens and gates to doors</b></p> <p>1 Double gate with two single leaves 3210 x 2400mm high of 50 x 50 x2,5mm 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 six suitable hinges welded to posts and a "Union" LX 3261 security gate lock box between middle rails including conversion set.</p> <p style="text-align: right;">No</p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 2  Bill No. 8  Metalwork  <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>		<p>ZAR</p>	
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Brought Forward			ZAR
<b>RETRACTABLE SECURITY GATES AND SCREENS</b>			
<u>"TRELLIDOR" or equally approved installed by a Trellidor installer for a 5-year warranty on workmanship and hardware</u>			
2	Steel wire mesh burglar proofing	m2	8
<b>ALUMINIUM SHOPFRONTS COMPLETE WITH GLAZING, HANDLES AND ALL ACCESSORIES</b>			
<u>Aluminium Doors</u>			
3	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>			
<u>Access chain</u>			
4	Supply and install 1.2m access chain with "No Entrance" sign on.	No	2
<u>Window sashes</u>			
5	Replace damaged window sashes to match existing	No	5
Carried Forward			ZAR
Section No. 2 Bill No. 8 Metalwork Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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

<b>Brought Forward</b>		<b>ZAR</b>	
<u>Nameboards</u>			
6	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>			

**RANDBURG VEHICLE TESTING STATION  
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2019**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 9</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>LOCKS</b>			
	<u>"Union" or equal and approved fixed to timber</u>			
1	Heavy duty security door chain brass code V-WS6-EB	No	2	
	<b>BATHROOM FITTINGS</b>			
	<u>"IW" or equal and approved fixed to timber</u>			
2	Re-position existing towel rail to a position identified by the Project Manager, make good walls	No	1	
3	32mm "Bristell Type BGR2A" side grab rail 600mm long plugged	No	2	
	<b>Carried Forward</b>		ZAR	
	Section No. 2 Bill No. 9 Ironmongery <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			



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

	Brought Forward		ZAR
4	Code IW7015SS wall mounted soap dispenser plugged No	3	
5	Code IW7010SS surface mounted multi-roll (3) toilet roll dispenser plugged No	5	
<b>DOOR CLOSERS</b>			
	<u>"Union" fixed to timber</u>		
6	"Union" Heavy duty regular arm door closer with bracket fixed to metal Ref. No DC 744 EN 1-6 PA DA Code: 744P No	2	
<b>Carried Forward to Summary of Section No. 2</b>			
Section No. 2			
Bill No. 9			
Ironmongery			
<b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 10</u></b>			
<b><u>TILING</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>			
<u>Fixing:</u>			
<p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.</p> <p>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.</p>			
<b>WALL TILING</b>			
<b>Carried Forward</b>		ZAR	
<p>Section No. 2 Bill No. 10 Tiling <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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

Brought Forward			ZAR
	<u>200 x 200 x 6mm. white glazed ceramic tiles fixed with adhesive to plaster (plaster elsewhere)</u>		
1	To splashback	m2	3
FLOOR TILES			
	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:		
2	On floors.	m2	14
3	On narrow widths	m2	1
TILE SKIRTINGS, ETC			
4	Skirtings 100mm high of stretcher course tiles	m	10
Carried Forward to Summary of Section No. 2			ZAR
Section No. 2			
Bill No. 10			
Tiling			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 11</u></b>			
<b><u>GLAZING</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> <p><u>Float glass</u></p> <p>The term "float glass" is used for monolithic annealed glass</p> <p><u>Laminated glass</u></p> <p>Laminated glass to have polyvinyl butyral (PVB) interlayer(s)</p>			
<b>GLASS LOUVRE BLADES</b>			
<b>Carried Forward</b>			
		ZAR	
<p>Section No. 2 Bill No. 11 Glazing <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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

Brought Forward			ZAR
	<u>6mm Clear Glass Louvre Blades</u>		
1	Louvre blades not exceeding 150mm wide with polished edges	m	4
<b>GLAZING TO STEEL WITH PUTTY</b>			
	<u>4mm. clear float glass</u>		
2	4mm Glass	m2	6
<b>GLAZING TO ALUMINIUM WITH CLIP ON BEADS (BEADS MEASURED ELSEWHERE)</b>			
	<u>6.38mm clear toughened safety glass</u>		
3	6.38mm Glass	m2	4
	<u>Vinyl films and tinting</u>		
4	Vinyl film to glazing	m2	8
<b>GLASS IN TOPS, SHELVES, DOORS, MIRRORS, ETC.</b>			
Carried Forward			ZAR
Section No. 2			
Bill No. 11			
Glazing			
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2020/06/02

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

Brought Forward		ZAR	
<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>			
5	Mirror 400 x 600mm high with four screws	No	3
Carried Forward to Summary of Section No. 2		ZAR	
Section No. 2			
Bill No. 11			
Glazing			
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**RANDBURG VEHICLE TESTING STATION  
REPAIRS AND MAINTENANCE PROJECT  
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT  
2019**

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 12</u></b>			
<b><u>ELECTRICAL WORK</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>			
<u>Distribution boards etc:</u>			
<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>			
<b>Carried Forward</b>		ZAR	
<p>Section No. 2 Bill No. 12 Electrical Work <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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

Brought Forward		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>DISTRIBUTION BOARDS</b>		
<u>Refurbish existing boards to comply with SANS 10142-Wiring regulations, including all accessories</u>		
1	Electrical DB	No
		2
<b>BARE STRANDED COPPER CABLE</b>		
<b>Supply, deliver and install in conduits the following insulated copper wires (Measured Provisionally)</b>		
2	4,0mm <sup>2</sup> for SSO outlets	m
		5
3	2.5 mm <sup>2</sup> insulated green earth wire	m
		50
Carried Forward		ZAR
Section No. 2		
Bill No. 12		
Electrical Work		
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		



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

Brought Forward			ZAR
4	2,5mm <sup>2</sup> for lighting	m	50
<b>POWER SKIRTING</b>			
5	Supply and install 2 compartment skirting, colour to match existing	m	10
6	Draw wire	m	50
<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>			
7	28W LED Spot lights	No	10
8	Linear 2 x 58W Channel fluorescent complete with electronic control gear equal to Lascon R258 Channel	No	27
<u>Switches, etc complete with cover plate fixed on power skirting/ or walls</u>			
9	16A One-lever one-way switch	No	3
10	16A One-lever two-way switch	No	3
11	16A Three-pin switched socket outlet	No	6
Carried Forward			ZAR
Section No. 2 Bill No. 12 Electrical Work <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

2020/06/02

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

**Brought Forward**

**ZAR**

**CERTIFICATES OF COMPLIANCE**

Allow for Testing and Commissioning

12 Electrical COC

**SUM**

13 Allow For Circuit Labelling

**SUM**

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

**ZAR**

Section No. 2

Bill No. 12

Electrical Work

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

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 13</u></b>			
<b><u>PAINTWORK</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> <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>			
<b>Carried Forward</b>		ZAR	
<p>Section No. 2 Bill No. 13 Paintwork <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

**RANDBURG VEHICLE TESTING STATION****REPAIRS AND MAINTENANCE PROJECT****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019****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. 13

Paintwork

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

Brought Forward			ZAR
<b>ON FLOATED PLASTER</b>			
<u>One coat resin based bonding liquid two coats superior acrylic PVA emulsion paint on work in poor condition</u>			
1	On internal walls	m2	30
<b>ON PLASTER BOARD</b>			
<u>One coat alkaline resistant plaster primer and two coats superior acrylic PVA emulsion paint</u>			
2	On ceilings and cornices	m2	25
<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>			
3	On columns and beams	m2	25
Carried Forward			ZAR
Section No. 2 Bill No. 13 Paintwork Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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

Brought Forward			ZAR
<u>One coat resin based bonding liquid two coats superior acrylic PVA emulsion paint on work in poor condition</u>			
4	On internal walls	m2	813
<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>			
5	On ceilings and cornices	m2	335
6	On drywall partitions	m2	183
<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>			
7	On fascias and barge boards	m2	14
<b>ON METAL</b>			
<u>Two coats alkyd based high gloss enamel paint on previously painted steel in sound condition</u>			
8	On door frames	m2	12
Carried Forward			ZAR
Section No. 2 Bill No. 13 Paintwork <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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

Brought Forward				ZAR
9	On window frames with burglar bars	m2	20	
10	On steel french door	m2	12	
11	On gates, grilles, burglar screens, balustrades, etc (both sides measured over full flat area)	m2	7	
12	On eaves gutters/rainwater downpipes not exceeding 300mm girth	m	141	
	<u>One coat water based galvanised iron primer, one coat Universal alkyd based undercoat and two coats alkyd based high gloss enamel paint on galvanised steel in poor condition (rusted)</u>			
13	On corrugated iron profile roof sheeting and side cladding	m2	597	
	<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>			
14	On doors	m2	30	
	<u>Three coats clear polyurethane suede varnish</u>			
15	On doors	m2	8	
Carried Forward				ZAR
Section No. 2				
Bill No. 13				
Paintwork				
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD				

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

Brought Forward		ZAR	
ON CONCRETE FLOORS			
<u>"Approved" floor paint</u>			
On floors	m2	10	
Carried Forward to Summary of Section No. 2		ZAR	
Section No. 2			
Bill No. 13			
Paintwork			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			



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

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 14</u></b>			
	<b><u>EXTERNAL WORKS</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>PAVING</b>			
	<p><u>60mm Standard grey "Concor Double Zig-Zag" interlocking roadstone paving or equally approved (For low traffic-All inclusive trade) Including earthworks, 25mm thick river sand bed with sand swept into joints including preparation of ground or filling etc</u></p>			
1	Paving to roads, parking areas, etc. to slight falls	m2	37	
	<b>Carried Forward</b>		ZAR	
	<p>Section No. 2 Bill No. 14 External Works <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

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

<b>Brought Forward</b>			ZAR
<u>Kerbing</u>			
2	Semi-mountable kerb (SABS 927 fig 7 laid flat on back) 180 x 280mm high in 1000mm sections with 13mm thick softboard expansion joints at 20 000mm centres complete with 250 x 180mm thick class 15Mpa/19mm unreinforced cast in-situ concrete continuous anchor block strip for the full length at back of kerbing including excavation, backfilling, etc.	m	15
<b>ASPHALT</b>			
<u>Tar Surfacing (Parking and walkways)</u>			
3	Tar road resurfacing and making good in bad condition (measured provisionally)	m2	30
<u>Paintwork</u>			
Two coats reflective road marking paint on tarmacadam			
Etching primer and two coats reflective road marking paint on concrete			
4	100mm Wide line	m	10 000
5	The word "STOP" painted with 2 500 mm high x 510 mm wide	No	7
<u>Road Signs (measured provisionally)</u>			
6	Standard 600 mm extreme wide octagonal STOP sign	No	5
<b>Carried Forward</b>			ZAR
Section No. 2 Bill No. 14 External Works <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b>			

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

Brought Forward			ZAR
7	Standard 450 mm diameter "parking" sign	No	5
8	Standard 450 mm diameter "no parking" sign	No	5
<b>HILLSTART AREA</b>			
<u>Breaking down and removing concrete, brickwork etc.</u>			
9	One brick wall	m2	28
<u>Earthworks</u>			
Excavation in earth not exceeding 2m. deep			
10	Trenches.	m3	39
Extra over excavations in earth for breaking up and removing			
11	Reinforced concrete	m3	10
Extra over all excavations for carting away			
12	Surplus material from excavations and /or stock pile on site to a dumping site to be located by the contractor (up to a radius of 5km - return distance not covered)	m3	39
Risk of collapse of excavations			
Carried Forward			ZAR
Section No. 2			
Bill No. 14			
External Works			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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

Brought Forward			ZAR
13	Sides of trench and hole excavations not exceeding 1,5m deep including keeping excavations free from water	m2	130
	<u>Reinforced Concrete</u>		
	30MPa/20mm. concrete		
14	Retaining walls	m3	9
15	Retaining walls in foundations (Provisional)	m3	39
	TEST BLOCKS		
16	Making and testing 150 x 150 x 150mm concrete strength test cube -set of 6No.	No	3
	<u>Concrete Sundries</u>		
	Colouring surfaces of concrete with "Oxide" including curing compound applied at a rate of 1 litre/10m2		
17	Vertical surfaces	m2	27
	<u>Smooth Formwork (DEGREE OF ACCURACY II)</u>		
	Smooth formwork to sides		
Carried Forward			ZAR
Section No. 2 Bill No. 14 External Works Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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

	Brought Forward			ZAR
18	One face of retaining walls (other face against excavated or existing surfaces) circular exceeding 1m radius	m2	27	
	<u>Movement Joints, etc.</u>			
	Vertical toggle construction joint through concrete including thick cement slurry to one face			
19	Walls not exceeding 300mm thick	m	2	
	<u>Reinforcement</u>			
	High tensile steel reinforcement to structural concrete work			
20	All diameter and length in terms of the engineer's drawings	t	1.40	
	<u>Timber Railing or Similar Approved</u>			
21	Tanalith treated vertical lath (wood) handrails 1200mm high	m	56	
Carried Forward to Summary of Section No. 2				ZAR
Section No. 2				
Bill No. 14				
External Works				
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD				

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

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 15</u></b>			
<b><u>PROVISIONAL SUMS</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> <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. 15 Provisional Sums <b>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</b></p>			

**RANDBURG VEHICLE TESTING STATION****REPAIRS AND MAINTENANCE PROJECT****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019****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****SALARY TO THE COMMUNITY LIAISON OFFICE**

- 1 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. 15

Provisional Sums

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

-48-



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

Section No	FINAL SUMMARY	Page No	Amount
1	Section One	1	
2	Section Two	48	
	Allow a 5% contingency amount		ZAR
	Allow an amount of Fifty Eight Thousand Nine Hundred and Thirty Eight and Eighty Eight (ZAR58 938.88) for quantity surveying fees (Bills of Quantities production)	Item	
	Allow an amount of Forty One Thousand Six Hundred and Fifty and Fourteen (ZAR41 650.14) for project management fees during project implementation	Item	
	Add Value Added Tax @ 15%		ZAR
	Carried to Form of Tender		ZAR
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		