

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

Item No	Quantity	Rate	Amount
<u>BILL NO. 1</u>			
<u>PRELIMINARIES & GENERAL</u>			
MINOR WORKS AGREEMENT			
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.			
PRELIMINARIES			
The ASAQS 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.			
PRELIMINARIES APPLICABLE TO THE WHOLE OF THE WORKS			
<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	
Carried to Final Summary			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
<p><u>BILL NO 1</u></p>			
<p><u>ALTERATIONS</u></p>			
<p><u>View site</u></p>			
<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>			
<p><u>Explosives</u></p>			
<p>No explosives whatsoever may be used for alteration purposes unless otherwise stated</p>			
<p><u>General</u></p>			
<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>			
<p>Carried Forward</p>		<p>ZAR</p>	
<p>Section No. 2 Bill No. 1 Alterations Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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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. 2
Bill No. 1
Alterations

Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD

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Brought Forward

ZAR

Temporary barricades, screens, roofs, etc including removal

REMOVAL OF EXISTING WORK

Taking down and removing roofs, floors, panelling, ceilings, partitions, etc

1	Translucent roof sheeting	m2	54
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Carried Forward to Summary of Section No. 2

ZAR

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

**MALBORO VEHICLE TESTING STATION
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Item No	Quantity	Rate	Amount
<u>BILL NO. 2</u>			
<u>WATERPROOFING</u>			
<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>			
SUPPLEMENTARY PREAMBLES			
<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>			
WATERPROOFING CONCRETE SLABS AND WALLS			
<u>Two coats "Brickseal" bitumen emulsion waterproof coating</u>			
1	On concrete walls, columns and beams	m2	12
Carried Forward			ZAR
<p>Section No. 2 Bill No. 2 Waterproofing Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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		Brought Forward		ZAR
		<u>4mm "Derbigum SP4" or equal and approved fully bonded waterproofing system carried out strictly in accordance with the manufacturer's instructions and under a Ten Year Insurance Backed Guarantee on materials and workmanship (On Concrete)</u>		
2	On flat roofs	m2	153	
3	Sealing edge to brickwork or concrete	m	113	
PROTECTIVE ROOFING PAINT				
Two coats approved bituminous aluminium paint on:				
4	On waterproofing.	m2	170	
Carried Forward to Summary of Section No. 2				ZAR
Section No. 2 Bill No. 2 Waterproofing Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD				

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>ROOF COVERING, CLADDINGS, ETC</u>			
	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.			
	ROOF COVERINGS			
	<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</u>			
1	Roof covering with pitch not exceeding 50 degrees	m2	103	
2	Extra over roof covering /side cladding for 1,25mm semi-opaque 90% light transmission "Modek - Polycarbonate" translucent panel	m2	103	
3	Cover flashing 154mm girth	m	21	
	Carried Forward to Summary of Section No. 2		ZAR	
	Section No. 2 Bill No. 3 Roof Covering, Claddings, etc Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 4</u></p>			
<p><u>METALWORK</u></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>GENERALLY:</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>Carried Forward</p>		<p>ZAR</p>	
<p>Section No. 2 Bill No. 4 Metalwork Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</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. 4
Metalwork

Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD

**MALBORO VEHICLE TESTING STATION
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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.

STRUCTURAL STEEL COMPONENTS

Steel structure on awning

1	Tubular welded roof trusses	t	0.30
2	In bracing	t	0.09

**ALUMINIUM SHOPFRONTS COMPLETE
WITH GLAZING, HANDLES AND ALL
ACCESSORIES**

Carried Forward

ZAR

Section No. 2
Bill No. 4
Metalwork

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**MALBORO VEHICLE TESTING STATION
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	Brought Forward		ZAR
<u>Aluminium Doors</u>			
3	Service existing aluminium double door by replacing, fixing, adjusting all broken or loose door components, including lockset complete and leave in good working condition.	No	2
SUNDRIES			
<u>Nameboards</u>			
4	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
Carried Forward to Summary of Section No. 2			ZAR
Section No. 2			
Bill No. 4			
Metalwork			
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Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>PLUMBING & DRAINAGE (MEASURED PROVISIONALLY)</u>			
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.			
RAINWATER DISPOSAL			
<u>Locate, coredrill 150 holes for downpipes in concrete slabs</u>			
1	150mm Ø hole	No	17
<u>Extruded Seamless Industrial Aluminium</u>			
2	150 x 1500mm square rainwater pipes	m	204
3	150 x 150mm crimped rainwater pipe bend	No	34
Carried Forward			ZAR
Section No. 2 Bill No. 5 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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		Brought Forward		ZAR
4	150 x 150mm crimped rainwater pipe shoe	No	17	
MANHOLES				
<u>Manhole Covers</u>				
5	650 x 800mm heavy duty precast concrete removable cover and frame	No	10	
6	Lifting key for manhole cover	No	10	
SUNDRIES				
7	Seal and close off existing fullbores	No	17	
Carried Forward to Summary of Section No. 2				ZAR
Section No. 2				
Bill No. 5				
Plumbing & Drainage (Measured Provisionally)				
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD				

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 6</u></p>			
<p><u>MECHANICAL WORK</u></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>SUPPLEMENTARY PREAMBLES</p>			
<p><u>Specifications, drawings, etc</u></p>			
<p>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</p>			
<p>Carried Forward</p>		ZAR	
<p>Section No. 2 Bill No. 6 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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Brought Forward		ZAR
<u>Major equipment</u>		
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		
<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		
PROVISIONAL SUMS		
VEHICLE TESTING STATION EQUIPMENT		
1	Allow an amount of Sixty Five Thousand for replacing vehicle testing station equipment (Play detectors, brake rollers, hydraulic jacks, caliberation of weighbridge, etc) and issuing of compliance certificate	
2	Allow for profit at 7.5%	%
3	Allow for attendance at 5%	%
Carried Forward to Summary of Section No. 2		SUM
		ZAR
Section No. 2 Bill No. 6 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		

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Item No	<u>BILL NO. 7</u>	Quantity	Rate	Amount
	<u>EXTERNAL WORKS</u>			
	<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>			
	PAVING			
	<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 walkways, etc	m2	187	
	Carried Forward		ZAR	
	<p>Section No. 2 Bill No. 7 External Works Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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		Brought Forward			ZAR
KERBING					
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	162		
FENCING					
<u>Mild steel welded palisade fence including spot prime exposed metal surfaces and two coats high gloss enamel paint</u>					
3	Refix existing 2 400mm high steel palisade fence, cast into and including 15Mpa concrete footing in ground including excavation, ramming, removal of spoil and leaving clean, neat and painted	m	20		
Carried Forward to Summary of Section No. 2					ZAR
Section No. 2					
Bill No. 7					
External Works					
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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 8</u></p>			
<p><u>PROVISIONAL SUMS</u></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>GENERALLY:</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>			
<p>Carried Forward</p>		<p>ZAR</p>	
<p>Section No. 2 Bill No. 8 Provisional Sums Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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Brought Forward

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.

Carried Forward to Summary of Section No. 2

Section No. 2

Bill No. 8

Provisional Sums

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ZAR

SUM

ZAR

**MALBORO VEHICLE TESTING STATION
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SECTION SUMMARY - Section Two

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Carried to Final Summary

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Section No. 2
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FINAL SUMMARY

Section No		Page No	Amount
1	Section One	1	
2	Section Two	20	
	Allow a 5% contingency amount		ZAR
	Allow an amount of Twenty Seven Thousand One Hundred and Sixty Three and Eighty Four (ZAR27 163.84) for quantity surveying fee (Bills of Quantity production)	Item	
	Allow an amount of Nineteen Thousand One Hundred and Ninety Five and Seventy Eight (ZAR19 195.78) for project management professional fees during the execution of the project	Item	
	Add Value Added Tax @ 15%		ZAR
	Carried to Form of Tender		ZAR
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		