

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
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 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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COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>COVID-19 SAFETY INSTALLATIONS</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>All work shall proceed under strict supervision of the Project Manager.</p>			
	SOCIAL DISTANCING MARKING			
1	48mm Wide Altezza floor marking red tape	m	30	
2	150 x 150mm plastic social distancing marker to be tapped on to the floor	No	20	
3	250mm Diameter solid circle with road marking paint.	No	50	
4	Cover urinal and wash hand basins with 250 micron plastic, including taping edges.	No	4	
5	Blank out chairs with 48mm Altezza red tape.	No	50	
	Carried Forward			
	Section No. 1			
	Bill No. 2			
	Covid-19 Safety Installations			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			
			ZAR	

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Brought Forward			ZAR
SOCIAL DISTANCING DIVISIONS			
6	5mm Free standing perspex sneeze guard/screen with slide on stands/legs, cut to accommodate fittings, services and equipments.	m2	105
METAL FITTINGS			
7	1524mm High foot operated aluminium hand sanitizing dispenser stand, with signage above, signage size: 215mm wide x 280mm high.	No	6
8	P-6000 Automatic sanitizing booth or similar approved.	No	2
SUNDRIES			
9	Macally clear protective keyboard cover, or similar approved.	No	95
BUDGETARY AMOUNT			
10	Allow an amount of Five Thousand rand for Covid-19 awareness signage	Item	
Carried Forward to Summary of Section No. 1			ZAR
Section No. 1			
Bill No. 2			
Covid-19 Safety Installations			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 3</u>			
<u>PLUMBING & DRAINAGE (MEASURED PROVISIONALLY)</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			
<u>General:</u>			
<p>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.</p>			
Carried Forward		ZAR	
<p>Section No. 1 Bill No. 4 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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Brought Forward		ZAR	
<p>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).</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured).</p>			
REPLACE DAMAGED SANITARY FITTINGS			
<u>Vitreous China Sanitaryware - "Vaal" or equally approved</u>			
1	Refurbish existing stand-alone urinal	No	1
SUNDRIES			
2	Replace leaking or damaged rubber flushpipe connector	No	4
3	Seal leaking uPVC or cast iron WC pan connector joint	No	8
4	Attend to, fix leaking waste union and tighten backnut	No	8
5	Replace 15mm leaking tap or stoptap washer including spindle gland packing	No	1
REPLACE DAMAGED ELECTRIC WATER HEATERS AND ACCESSORIES			
Carried Forward		ZAR	
<p>Section No. 1 Bill No. 4 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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Brought Forward		ZAR	
KWIKOT OR EQUIVALENT: Geyser with a 5-year warranty			
<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>			
6	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).	No	2
Carried Forward to Summary of Section No. 1		ZAR	
Section No. 1			
Bill No. 4			
Plumbing & Drainage (Measured Provisionally)			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>ELECTRICAL WORK</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			
<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>			
Carried Forward		ZAR	
Section No. 1 Bill No. 5 Electrical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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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			
BARE STRANDED COPPER CABLE			
Supply, deliver and install in conduits the following insulated copper wires (Measured Provisionally)			
1	2,5mm ² for lighting	m	20
LUMINAIRES AND EQUIPMENT			
<u>Supply and install luminaires or equipment complete with lamps, connections, etc mounted in position indicated on the drawing</u>			
2	28W LED Spot lights	No	6
3	Linear 2 x 58W Channel fluorescent complete with electronic control gear equal to Lascon R258 Channel	No	10
Carried Forward			ZAR
Section No. 1 Bill No. 5 Electrical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>MECHANICAL WORK</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 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>			
SUPPLEMENTARY PREAMBLES			
<u>Specifications, drawings, etc</u>			
<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>			
AIR CONDITIONING INSTALLATION			
Carried Forward		ZAR	
<p>Section No. 1 Bill No. 6 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 6</u>			
<u>PROVISIONAL SUMS</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> <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>			
Carried Forward			
Section No. 1 Bill No. 7 Provisional Sums Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			ZAR

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SECTION SUMMARY - Section One - LANGLAAGTE VEHICLE TESTING CENTRE

Bill No		Page No	Amount
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Carried to Final Summary			ZAR
Section No. 1			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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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 Forward to Summary of Section No. 2		ZAR	
	Section No. 2			
	Bill No. 1			
	Preliminaries & General			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
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Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>COVID-19 SAFETY INSTALLATIONS</u>			
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	SUPPLEMENTARY PREAMBLES			
	<p>All work shall proceed under strict supervision of the Project Manager.</p>			
	SOCIAL DISTANCING MARKING			
1	48mm Wide Altezza floor marking red tape	m	50	
2	150 x 150mm plastic social distancing marker to be tapped on to the floor	No	10	
3	250mm Diameter solid circle with road marking paint.	No	17	
4	Cover urinal and wash hand basins with 250 micron plastic, including taping edges.	No	3	
5	Blank out chairs with 48mm Altezza red tape.	No	30	
	Carried Forward			
	Section No. 2			
	Bill No. 2			
	Covid-19 Safety Installations			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			
			ZAR	

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CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
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Brought Forward			ZAR
SOCIAL DISTANCING DIVISIONS			
6	5mm Free standing perspex sneeze guard/screen with slide on stands/legs, cut to accommodate fittings, services and equipments.	m2	67
FITTINGS			
7	1524mm High foot operated aluminium hand sanitizing dispenser stand, with signage above, signage size: 215mm wide x 280mm high.	No	1
8	P-6000 Automatic sanitizing booth or similar approved.	No	2
9	Supply and install floor mounted non moving chairs, size: 520 x 500mm, backrest height: 515mm	No	80
10	170 x 300 x 150mm Stand fixed to the wall made of 8mm steel bars to accommodate hand and surface wipe dispenser	No	4
CLEANING			
11	Deep clean entire building and fumigate	m2	1 000
SUNDRIES			
12	Macally clear protective keyboard cover, or similar approved.	No	4
13	12L Pedal operated polypropylene sanitary bin satin, size: 463 x 140 x 480mm	No	2
14	200 x 150mm International instruction signs suitable for outside	No	5
Carried Forward			ZAR
Section No. 2 Bill No. 2 Covid-19 Safety Installations Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 2</u>			
<u>CARPENTRY & JOINERY</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>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>			
TIMBER DOORS			
Carried Forward		ZAR	
<p>Section No. 2 Bill No. 3 Carpentry & Joinery Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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Brought Forward			ZAR
	<u>Wrought Meranti doors hung to steel frames</u>		
1	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	1
	<u>Semi-solid flush door with sapele veneer on both sides hung to steel frames</u>		
2	40mm Door 813 x 2032mm. high	No	1
Carried Forward to Summary of Section No. 2			ZAR
Section No. 2			
Bill No. 3			
Carpentry & Joinery			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>IRONMONGERY</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>			
	HINGES, BOLTS, ETC.			
	<u>"Union" or equal and approved fixed to timber</u>			
1	100mm steel hinge	No	5	
	LOCKS			
	<u>"Union" or equal and approved fixed to timber</u>			
2	Three lever lockset (2 Keys) with striking plate fixed to metal Ref. CZ682-24-52CH / SC. Lockset with lock, handles and keys, complete	No	2	
	Carried Forward		ZAR	
	Section No. 2 Bill No. 4 Ironmongery Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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COVID-19 SAFETY INSTALLATION PROJECTS

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Brought Forward		ZAR
BATHROOM FITTINGS		
<u>"IW" or equal and approved fixed to timber</u>		
3	Code IW7015SS wall mounted soap dispenser plugged	No 5
Carried Forward to Summary of Section No. 2		ZAR
Section No. 2		
Bill No. 4		
Ironmongery		
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		

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Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>MECHANICAL WORK</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 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>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Specifications, drawings, etc</u>			
<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>			
Carried Forward		ZAR	
<p>Section No. 2 Bill No. 5 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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<p style="text-align: right;">Brought Forward</p> <p><u>Ductwork</u></p> <p>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</p> <p><u>Dampers</u></p> <p>Descriptions of smoke and fire dampers shall be deemed to include fusible links, sleeves, frames, supports and access openings in ducts</p> <p><u>Air diffusion</u></p> <p>Descriptions of air terminals, grilles, louvres and the like shall be deemed to include necks, frames, supports and flexible connections</p> <p><u>Fans</u></p> <p>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</p>	<p>ZAR</p>
<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 5 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>	<p>ZAR</p>

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<p style="text-align: right;">Brought Forward</p> <p><u>Sound attenuators</u></p> <p>Descriptions of sound attenuators shall be deemed to include flanged or flexible connections to ducts and supports from the structure</p> <p><u>Fan coil units, fan air terminals and fan heaters</u></p> <p>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</p> <p><u>Major equipment</u></p> <p>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</p>	<p style="text-align: right;">ZAR</p>
<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 5 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>	<p style="text-align: right;">ZAR</p>

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ZAR

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.

Fixing of pipes

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.

Pump sets

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.

Valves

Descriptions of valves shall be deemed to include flanged or screwed connections to pipes, reducers, supports, etc.

Carried Forward

ZAR

Section No. 2

Bill No. 5

Mechanical Work

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Brought Forward		ZAR
<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		
AIR CONDITIONING INSTALLATION		
<u>Airconditioning</u>		
1	Allow for a provisional amount of Sixty Five Thousand for the refurbishment and repairs of existing central air-conditioning system, including issuing COCs.	SUM
2	Repair 12000 BTU Wall mounted unit with condensor section mounted on external wall	
	No	8
<u>Fire Protection</u>		
3	Allow a provisional amount of Five Thousand for refurbishing any defective fire protection equipment, including issuing COCs.	Item
Carried Forward to Summary of Section No. 2		ZAR
Section No. 2		
Bill No. 5		
Mechanical Work		
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		

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SECTION SUMMARY - Section Two - MIDRAND VEHICLE TESTING CENTRE			Amount	
Bill No		Page No		
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Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD				

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
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 Forward to Summary of Section No. 3		ZAR	
	Section No. 3			
	Bill No. 1			
	Preliminaries & General			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>COVID-19 SAFETY INSTALLATIONS</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>All work shall proceed under strict supervision of the Project Manager.</p>			
	SOCIAL DISTANCING MARKING			
1	48mm Wide Altezze floor marking red tape	m	67	
2	150 x 150mm plastic social distancing marker to be tapped on to the floor	No	20	
3	250mm Diameter solid circle with road marking paint.	No	10	
4	Cover urinal and wash hand basins with 250 micron plastic, including taping edges.	No	4	
5	Blank out chairs with 48mm Altezze red tape.	No	102	
	Carried Forward			
	Section No. 3			
	Bill No. 2			
	Covid-19 Safety Installations			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			
			ZAR	

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
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Brought Forward			ZAR
SOCIAL DISTANCING DIVISIONS			
6	5mm Free standing perspex sneeze guard/screen with slide on stands/legs, cut to accommodate fittings, services and equipments.	m2	121
FITTINGS			
7	1524mm High foot operated aluminium hand sanitizing dispenser stand, with signage above, signage size: 215mm wide x 280mm high.	No	7
8	P-6000 Automatic sanitizing booth or similar approved.	No	1
9	170 x 300 x 150mm Stand fixed to the wall made of 8mm steel bars to accommodate hand and surface wipe dispenser	No	4
SUNDRIES			
10	Macally clear protective keyboard cover, or similar approved.	No	54
11	12L Pedal operated polypropylene sanitary bin satin, size: 463 x 140 x 480mm	No	12
12	200 x 150mm International instruction signs suitable for outside	No	6
13	150 x 150mm International instruction signs suitable for inside	No	10
BUDGETARY AMOUNT			
14	Allow an amount of Five Thousand rand for Covid-19 awareness signage	Item	
Carried Forward to Summary of Section No. 3			ZAR
Section No. 3			
Bill No. 2			
Covid-19 Safety Installations			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 2</u>			
<u>METALWORK</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> <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>			
Carried Forward		ZAR	
<p>Section No. 3 Bill No. 3 Metalwork Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
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<p style="text-align: center;">Brought Forward</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;">Carried Forward</p> <p>Section No. 3 Bill No. 3 Metalwork Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>	<p style="text-align: center;">ZAR</p> <hr/> <p style="text-align: center;">ZAR</p>
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JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS**

CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Brought Forward			ZAR
<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>ALUMINIUM SHOPFRONTS COMPLETE WITH GLAZING, HANDLES AND ALL ACCESSORIES</p> <p><u>ALUMINIUM DOORS</u></p>			
1	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
SUNDRIES			
Floor strips			
2	40mm Aluminium floor strips	m	2
Carried Forward to Summary of Section No. 3			ZAR
Section No. 3 Bill No. 3 Metalwork Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>MECHANICAL WORK</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 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>			
SUPPLEMENTARY PREAMBLES			
<u>Specifications, drawings, etc</u>			
<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>			
Carried Forward		ZAR	
<p>Section No. 3 Bill No. 5 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
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<p style="text-align: right;">Brought Forward</p> <p><u>Ductwork</u></p> <p>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</p> <p><u>Dampers</u></p> <p>Descriptions of smoke and fire dampers shall be deemed to include fusible links, sleeves, frames, supports and access openings in ducts</p> <p><u>Air diffusion</u></p> <p>Descriptions of air terminals, grilles, louvres and the like shall be deemed to include necks, frames, supports and flexible connections</p> <p><u>Fans</u></p> <p>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</p> <p><u>Sound attenuators</u></p> <p>Descriptions of sound attenuators shall be deemed to include flanged or flexible connections to ducts and supports from the structure</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 3 Bill No. 5 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>	<p>ZAR</p> <p>ZAR</p>
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JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019****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. 3

Bill No. 5

Mechanical Work

Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Brought Forward		ZAR
<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		
PROVISIONAL SUMS		
<u>Airconditioning</u>		
1	Allow for a provisional amount of Thirty Thousand for the refurbishment and repairs of existing central air-conditioning system, including issuing COCs.	SUM
Carried Forward to Summary of Section No. 3		ZAR
Section No. 3		
Bill No. 5		
Mechanical Work		
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>GLAZING</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> <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> <p>GLAZING TO STEEL WITH PUTTY</p> <p>GLAZING TO ALUMINIUM WITH CLIP ON BEADS (BEADS MEASURED ELSEWHERE)</p>			
Carried Forward		ZAR	
<p>Section No. 3 Bill No. 6 Glazing Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

2020/05/29

JMPD VEHICLE TESTING STATIONS - 8 STATIONS

COVID-19 SAFETY INSTALLATION PROJECTS

CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT

2019

Brought Forward			ZAR
	<u>6.38mm clear toughened safety glass</u>		
1	6.38mm Glass	m2	2
Carried Forward to Summary of Section No. 3			ZAR
Section No. 3			
Bill No. 6			
Glazing			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

2020/05/29

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

SECTION SUMMARY - Section Three -MALBORO VEHICLE TESTING CENT

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3	Metalwork	35	
4	Ironmongery	36	
5	Mechanical Work	40	
6	Glazing	42	
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Section No. 3			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
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 Forward to Summary of Section No. 4		ZAR	
	Section No. 4			
	Bill No. 1			
	Preliminaries & General			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
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Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>COVID-19 SAFETY INSTALLATIONS</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>All work shall proceed under strict supervision of the Project Manager.</p>			
	SOCIAL DISTANCING MARKING			
1	48mm Wide Altezza floor marking red tape	m	40	
2	150 x 150mm plastic social distancing marker to be tapped on to the floor	No	20	
3	250mm Diameter solid circle with road marking paint.	No	10	
4	Cover urinal and wash hand basins with 250 micron plastic, including taping edges.	No	4	
5	Blank out chairs with 48mm Altezza red tape.	No	30	
	Carried Forward			
	Section No. 4			
	Bill No. 2			
	Covid-19 Safety Installations			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			
			ZAR	

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Brought Forward			ZAR
SOCIAL DISTANCING DIVISIONS			
6	5mm Free standing perspex sneeze guard/screen with slide on stands/legs, cut to accommodate fittings, services and equipments.	m2	8
FITTINGS			
7	1524mm High foot operated aluminium hand sanitizing dispenser stand, with signage above, signage size: 215mm wide x 280mm high.	No	3
8	P-6000 Automatic sanitizing booth or similar approved.	No	3
9	170 x 300 x 150mm Stand fixed to the wall made of 8mm steel bars to accommodate hand and surface wipe dispenser	No	2
SUNDRIES			
10	Macally clear protective keyboard cover, or similar approved.	No	10
11	12L Pedal operated polypropylene sanitary bin satin, size: 463 x 140 x 480mm	No	2
12	200 x 150mm International instruction signs suitable for outside on 1500mm metal stand	No	10
13	150 x 150mm International instruction signs suitable for inside	No	5
BUDGETARY AMOUNT			
14	Allow an amount of Five Thousand rand for Covid-19 awareness signage	Item	
Carried Forward to Summary of Section No. 4			ZAR
Section No. 4			
Bill No. 2			
Covid-19 Safety Installations			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 2</u>			
<u>CARPENTRY & JOINERY</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>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>			
FITTINGS			
<p>Kitchen cupboards etc with approved hinges, handles and telescopic drawer sliders</p>			
Carried Forward		ZAR	
<p>Section No. 4 Bill No. 3 Carpentry & Joinery Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

	Brought Forward			ZAR
1	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	
Carried Forward to Summary of Section No. 4				
Section No. 4				
Bill No. 3				
Carpentry & Joinery				
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JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>PLUMBING & DRAINAGE (MEASURED PROVISIONALLY)</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			
<u>Sealing of edges:</u>			
<p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone.</p>			
Carried Forward		ZAR	
Section No. 4 Bill No. 5 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Brought Forward		ZAR	
<u>General:</u>			
<p>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.</p> <p>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).</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured).</p>			
SUNDRIES			
1	Seal leaking uPVC or cast iron WC pan connector joint	No	2
2	Attend to, fix leaking waste union and tighten backnut	No	2
REPLACE DAMAGED ELECTRIC WATER HEATERS AND ACCESSORIES			
Carried Forward		ZAR	
Section No. 4 Bill No. 5 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Brought Forward		ZAR	
KWIKOT OR EQUIVALENT: Geyser with a 5-year warranty			
<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>			
3	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).	No	1
Carried Forward to Summary of Section No. 4		ZAR	
Section No. 4			
Bill No. 5			
Plumbing & Drainage (Measured Provisionally)			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>GLAZING</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.			
<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)			
GLAZING TO STEEL WITH PUTTY			
<u>4mm. clear float glass</u>			
1	4mm Glass	m2	3
Carried Forward			ZAR
Section No. 4 Bill No. 6 Glazing Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Brought Forward		ZAR	
GLAZING TO ALUMINIUM WITH CLIP ON BEADS (BEADS MEASURED ELSEWHERE)			
<u>6.38mm clear toughened safety glass</u>			
2	6.38mm Glass	m2	
<u>Vinyl films and tinting</u>			
3	Vinyl film to glazing	m2	
Carried Forward to Summary of Section No. 4		ZAR	
Section No. 4			
Bill No. 6			
Glazing			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
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Item No	Quantity	Rate	Amount
<u>BILL NO. 6</u>			
<u>PROVISIONAL SUMS</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> <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>			
Carried Forward			
Section No. 4 Bill No. 7 Provisional Sums Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			ZAR

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Brought Forward		ZAR
<u>Special attendance on nominated/selected subcontractors:</u>		
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		
REGISTRATION SHADE		
1	Allow an amount of Fifteen Thousand for the supply and installation of a 2500 x 2500mm shade structure	SUM
ELECTRICAL WORK		
2	Allow an amount of Twenty Thousand for fixing electrical faults in fittings, sockets, switches, etc	SUM
Carried Forward to Summary of Section No. 4		ZAR
Section No. 4		
Bill No. 7		
Provisional Sums		
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		

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JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
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 Forward to Summary of Section No. 5		ZAR	
	Section No. 5			
	Bill No. 1			
	Preliminaries & General			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>COVID-19 SAFETY INSTALLATIONS</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>All work shall proceed under strict supervision of the Project Manager.</p>			
	SOCIAL DISTANCING MARKING			
1	48mm Wide Altezza floor marking red tape	m	8	
2	150 x 150mm plastic social distancing marker to be tapped on to the floor	No	21	
3	250mm Diameter solid circle with road marking paint.	No	54	
4	Cover urinal and wash hand basins with 250 micron plastic, including taping edges.	No	6	
5	Blank out chairs with 48mm Altezza red tape.	No	45	
	Carried Forward			
	Section No. 5			
	Bill No. 2			
	Covid-19 Safety Installations			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			
			ZAR	

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Brought Forward			ZAR
SOCIAL DISTANCING DIVISIONS			
6	5mm Free standing perspex sneeze guard/screen with slide on stands/legs, cut to accommodate fittings, services and equipments.	m2	54
FITTINGS			
7	1524mm High foot operated aluminium hand sanitizing dispenser stand, with signage above, signage size: 215mm wide x 280mm high.	No	5
8	P-6000 Automatic sanitizing booth or similar approved.	No	2
9	Supply and install floor mounted non moving chairs, size: 520 x 500mm, backrest height: 515mm	No	33
SUNDRIES			
10	Macally clear protective keyboard cover, or similar approved.	No	12
11	12L Pedal operated polypropylene sanitary bin satin, size: 463 x 140 x 480mm	No	2
12	200 x 150mm International instruction signs suitable for outside	No	5
13	150 x 150mm International instruction signs suitable for inside	No	4
BUDGETARY AMOUNT			
14	Allow an amount of Five Thousand rand for Covid-19 awareness signage	Item	
Carried Forward to Summary of Section No. 5			ZAR
Section No. 5			
Bill No. 2			
Covid-19 Safety Installations			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 2</u>			
<u>METALWORK</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> <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>			
Carried Forward		ZAR	
<p>Section No. 5 Bill No. 3 Metalwork Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Brought Forward		ZAR	
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres			
GATES			
Metal gates			
1	Single gate size 900 x 1 813mm high, complete with hinges, barrel bolt etc	No	1
SUNDRIES			
Chain			
2	Supply and install light duty chain on existing metal poles for human traffic control	m	30
Carried Forward to Summary of Section No. 5		ZAR	
Section No. 5			
Bill No. 3			
Metalwork			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>IRONMONGERY</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>			
	BATHROOM FITTINGS			
	<u>"IW" or equal and approved fixed to timber</u>			
1	Code IW7015SS wall mounted soap dispenser plugged	No	8	
2	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	8	
	Carried Forward to Summary of Section No. 5		ZAR	
	Section No. 5			
	Bill No. 4			
	Ironmongery			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>PLUMBING & DRAINAGE (MEASURED PROVISIONALLY)</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			
<u>Sealing of edges:</u>			
<p>Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone.</p>			
Carried Forward		ZAR	
Section No. 5 Bill No. 5 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Brought Forward			ZAR
<p><u>General:</u></p> <p>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.</p> <p>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).</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured).</p> <p>REPLACE DAMAGED SANITARY FITTINGS</p> <p><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></p> <p>Econo pans - Low cost "Housing" Flats, Old Age Homes, Hostels, RDP etc</p>			
1	Replace WC Heavy duty seat cover	No	8
Carried Forward			ZAR
<p>Section No. 5 Bill No. 5 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Brought Forward		ZAR	
5	<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>		
	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).	No	1
Carried Forward to Summary of Section No. 5		ZAR	
Section No. 5			
Bill No. 5			
Plumbing & Drainage (Measured Provisionally)			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>ELECTRICAL WORK</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			
<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>			
Carried Forward		ZAR	
Section No. 5 Bill No. 6 Electrical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****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			
LUMINAIRES AND EQUIPMENT			
<u>Supply and install luminaires or equipment complete with lamps, connections, etc mounted in position indicated on the drawing</u>			
1	Linear 2 x 58W Channel fluorescent complete with electronic control gear equal to Lascon R258 Channel	No	4
2	Replace tubes for Linear 2 x 58W Channel fluorescent light fittings.	No	4
<u>Switches, etc complete with cover plate fixed on power skirting/ or walls</u>			
3	16A One-lever one-way switch	No	2
4	16A Three-pin switched socket outlet	No	5
Carried Forward to Summary of Section No. 5			ZAR
Section No. 5			
Bill No. 6			
Electrical Work			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 6</u>			
<u>MECHANICAL WORK</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 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>			
SUPPLEMENTARY PREAMBLES			
<u>Specifications, drawings, etc</u>			
<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>			
AIR CONDITIONING INSTALLATION			
Carried Forward		ZAR	
<p>Section No. 5 Bill No. 7 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 7</u>			
<u>GLAZING</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> <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> <p>GLAZING TO ALUMINIUM WITH CLIP ON BEADS (BEADS MEASURED ELSEWHERE)</p>			
Carried Forward		ZAR	
<p>Section No. 5 Bill No. 8 Glazing Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Item No	Quantity	Rate	Amount
<u>BILL NO. 8</u>			
<u>TILING</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			
<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>			
Carried Forward		ZAR	
<p>Section No. 5 Bill No. 9 Tiling Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Item No	Quantity	Rate	Amount
<u>BILL NO. 9</u>			
<u>PROVISIONAL SUMS</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> <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>			
Carried Forward		ZAR	
<p>Section No. 5 Bill No. 10 Provisional Sums Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

	Brought Forward		ZAR
	<u>Special attendance on nominated/selected subcontractors:</u>		
	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		
	GUARD HOUSE		
1	Allow an amount of Eighteen Thousand for the construction of a 2500 x 2500mm Wendy hut complete.		SUM
	TURNSTILES		
2	Allow an amount of Fifteen Thousand for the supply and installation of pedestrian turnstile, exit only.		SUM
	Carried Forward to Summary of Section No. 5		ZAR
	Section No. 5		
	Bill No. 10		
	Provisional Sums		
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

SECTION SUMMARY - Section Five - ROODEPOORT VEHICLE TESTING CE			
Bill No		Page No	Amount
1	Preliminaries & General	58	
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3	Metalwork	62	
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5	Plumbing & Drainage (Measured Provisionally)	67	
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10	Provisional Sums	77	
Carried to Final Summary			ZAR
Section No. 5			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
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 Forward to Summary of Section No. 6		ZAR	
	Section No. 6			
	Bill No. 1			
	Preliminaries & General			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>COVID-19 SAFETY INSTALLATIONS</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>All work shall proceed under strict supervision of the Project Manager.</p>			
	SOCIAL DISTANCING MARKING			
1	48mm Wide Altezze floor marking red tape	m	25	
2	150 x 150mm plastic social distancing marker to be tapped on to the floor	No	20	
3	250mm Diameter solid circle with road marking paint.	No	5	
4	Cover urinal and wash hand basins with 250 micron plastic, including taping edges.	No	4	
5	Blank out chairs with 48mm Altezze red tape.	No	24	
	Carried Forward			
	Section No. 6			
	Bill No. 2			
	Covid-19 Safety Installations			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			
			ZAR	

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Brought Forward			ZAR
SOCIAL DISTANCING DIVISIONS			
6	5mm Free standing perspex sneeze guard/screen with slide on stands/legs, cut to accommodate fittings, services and equipments.	m2	8
FITTINGS			
7	1524mm High foot operated aluminium hand sanitizing dispenser stand, with signage above, signage size: 215mm wide x 280mm high.	No	2
8	P-6000 Automatic sanitizing booth or similar approved.	No	1
9	170 x 300 x 150mm Stand fixed to the wall made of 8mm steel bars to accommodate hand and surface wipe dispenser	No	2
CLEANING			
10	Deep clean entire building and fumigate	m2	700
SUNDRIES			
11	Macally clear protective keyboard cover, or similar approved.	No	15
12	12L Pedal operated polypropylene sanitary bin satin, size: 463 x 140 x 480mm	No	2
13	200 x 150mm International instruction signs suitable for outside	No	2
Carried Forward			ZAR
Section No. 6 Bill No. 2 Covid-19 Safety Installations Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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JMPD VEHICLE TESTING STATIONS - 8 STATIONS

COVID-19 SAFETY INSTALLATION PROJECTS

CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT

2019

Brought Forward		ZAR
BUDGETARY AMOUNT		
14	Allow an amount of Five Thousand rand for Covid-19 awareness signage	Item
Carried Forward to Summary of Section No. 6		ZAR
Section No. 6		
Bill No. 2		
Covid-19 Safety Installations		
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD		

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 2</u>			
<u>METALWORK</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> <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>			
Carried Forward		ZAR	
<p>Section No. 6 Bill No. 3 Metalwork Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019****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. 6

Bill No. 3

Metalwork

Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD

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	Brought Forward		ZAR
	<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>PRESSED STEEL DOORS</p> <p>SOLID DOORS</p> <p><u>Strong room door</u></p>		
1	Service existing strong room door by replacing, fixing, adjusting all broken or loose door components, including lockset complete and leave in good working condition.	No	1
	ALUMINIUM SHOPFRONTS COMPLETE WITH GLAZING, HANDLES AND ALL ACCESSORIES		
	Carried Forward		ZAR
	<p>Section No. 6</p> <p>Bill No. 3</p> <p>Metalwork</p> <p>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>		

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>IRONMONGERY</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>			
	LOCKS			
	<u>"Union" or equal and approved fixed to timber</u>			
1	WC chrome plated indicator bolt for paraplegic persons	No	1	
	BATHROOM FITTINGS			
	<u>"IW" or equal and approved fixed to timber</u>			
2	Code IW7015SS wall mounted soap dispenser plugged	No	11	
	Carried Forward to Summary of Section No. 6		ZAR	
	Section No. 6			
	Bill No. 4			
	Ironmongery			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
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Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>PLUMBING & DRAINAGE (MEASURED PROVISIONALLY)</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			
<u>General:</u>			
<p>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.</p>			
Carried Forward		ZAR	
<p>Section No. 6 Bill No. 5 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Brought Forward		ZAR	
<p>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).</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured).</p> <p>CLEAR GUTTER BLOCKAGE / DEBRIS</p> <p>Clean out gutters by removing all silt, etc. including rodding where necessary, leaving all surfaces free from any dirt or debris including lifting and refixing grille covers where required and disposal of all removed material.</p> <p><u>Gutters not exceeding 3m above base level</u></p>			
1	<p>Eaves or box gutter not exceeding 200mm wide</p> <p>REPLACE DAMAGED SANITARY FITTINGS</p> <p><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></p> <p>Econo pans - Low cost "Housing" Flats, Old Age Homes, Hostels, RDP etc</p>	m	224
Carried Forward		ZAR	
<p>Section No. 6 Bill No. 5 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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Brought Forward			ZAR
2	Replace WC Heavy duty double flap plastic seat	No	1
3	Replace WC Heavy duty seat cover	No	1
	<u>Vitreous China Sanitaryware - "Vaal" or equally approved</u>		
4	Replace paraplegic toilet flushing valve mechanism complete with rubber washers, etc.	No	2
5	Replace flushing valve mechanism complete with rubber washers, etc.	No	1
6	9 litre cistern complete with lid, top dual push button and fitments (flush pipe elsewhere)	No	2
REPLACE DAMAGED TAPS, VALVES, ETC.			
	<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>		
	Brass		
	Cobra or equivalent Brass Check Valve		
7	15mm Brass Check valve "Code 1022-15"	No	2
Carried Forward			ZAR
Section No. 6 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
<u>BILL NO. 5</u>			
<u>ELECTRICAL WORK</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			
<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>			
Carried Forward		ZAR	
Section No. 6 Bill No. 6 Electrical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****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				
POWER SKIRTING				
1	Supply and install 2 compartment skirting, colour to match existing	m	15	
2	Draw wire	m	20	
LUMINAIRES AND EQUIPMENT				
<u>Supply and install luminaires or equipment complete with lamps, connections, etc mounted in position indicated on the drawing</u>				
3	28W LED Spot lights	No	13	
4	Linear 2 x 58W Channel fluorescent complete with electronic control gear equal to Lascon R258 Channel	No	20	
Carried Forward				ZAR
Section No. 6 Bill No. 6 Electrical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD				

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CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
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Item No	Quantity	Rate	Amount
<u>BILL NO. 6</u>			
<u>MECHANICAL WORK</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 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>			
SUPPLEMENTARY PREAMBLES			
<u>Specifications, drawings, etc</u>			
<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>			
AIR CONDITIONING INSTALLATION			
Carried Forward			
<p>Section No. 6 Bill No. 7 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			
		ZAR	

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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 Forward to Summary of Section No. 7		ZAR	
	Section No. 7			
	Bill No. 1			
	Preliminaries & General			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>COVID-19 SAFETY INSTALLATIONS</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>All work shall proceed under strict supervision of the Project Manager.</p>			
	SOCIAL DISTANCING MARKING			
1	48mm Wide Altezze floor marking red tape	m	47	
2	150 x 150mm plastic social distancing marker to be tapped on to the floor	No	20	
3	250mm Diameter solid circle with road marking paint.	No	46	
4	Cover urinal and wash hand basins with 250 micron plastic, including taping edges.	No	2	
5	Blank out chairs with 48mm Altezze red tape.	No	40	
	Carried Forward			
	Section No. 7			
	Bill No. 2			
	Covid-19 Safety Installations			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			
			ZAR	

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
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Brought Forward			ZAR
SOCIAL DISTANCING DIVISIONS			
6	5mm Free standing perspex sneeze guard/screen with slide on stands/legs, cut to accommodate fittings, services and equipments.	m2	19
METAL FITTINGS			
7	1524mm High foot operated aluminium hand sanitizing dispenser stand, with signage above, signage size: 215mm wide x 280mm high.	No	6
8	P-6000 Automatic sanitizing booth or similar approved.	No	2
SUNDRIES			
9	Macally clear protective keyboard cover, or similar approved.	No	20
BUDGETARY AMOUNT			
10	Allow an amount of Five Thousand rand for Covid-19 awareness signage	Item	
Carried Forward to Summary of Section No. 7			ZAR
Section No. 7			
Bill No. 2			
Covid-19 Safety Installations			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 2</u>			
<u>CARPENTRY & JOINERY</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>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>			
TIMBER DOORS			
Carried Forward			
		ZAR	
<p>Section No. 7 Bill No. 3 Carpentry & Joinery Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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Brought Forward		ZAR	
	<u>Wrought Meranti doors hung to steel frames</u>		
1	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, including door hardware and paint decoration	No	1
Carried Forward to Summary of Section No. 7		ZAR	
Section No. 7			
Bill No. 3			
Carpentry & Joinery			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>IRONMONGERY</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>			
	LOCKS			
	<u>"Union" or equal and approved fixed to timber</u>			
1	Three lever lockset (2 Keys) with striking plate fixed to metal Ref. CZ682-24-52CH / SC. Lockset with lock, handles and keys, complete	No	1	
	BATHROOM FITTINGS			
	<u>"IW" or equal and approved fixed to timber</u>			
2	Code IW7015SS wall mounted soap dispenser plugged	No	4	
	Carried Forward to Summary of Section No. 7		ZAR	
	Section No. 7			
	Bill No. 4			
	Ironmongery			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
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Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>PLUMBING & DRAINAGE (MEASURED PROVISIONALLY)</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			
<u>Sealing of edges:</u>			
Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone.			
<u>PVC-U pipes and fittings:</u>			
Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings. Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings.			
Carried Forward		ZAR	
Section No. 7 Bill No. 5 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****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. 7

Bill No. 5

Plumbing & Drainage (Measured Provisionally)

Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD

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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. 7

Bill No. 5

Plumbing & Drainage (Measured Provisionally)

Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD

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<p style="text-align: right;">Brought Forward</p> <p><u>Disinfection of water pipework:</u></p> <p>Water pipework is to be disinfected at completion.</p> <p><u>Petrolatum anti-corrosion tape:</u></p> <p>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.</p> <p>Prices for wrapping of pipes shall include for all work as described to couplings in the length.</p> <p>Laying, backfilling, bedding, etc of pipes:</p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled.</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001.</p>		ZAR	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 7 Bill No. 5 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>		ZAR	

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CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Brought Forward		ZAR	
<p><u>General:</u></p> <p>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.</p> <p>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).</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured).</p> <p>REPLACE DAMAGED SANITARY FITTINGS</p> <p><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></p> <p>Econo pans - Low cost "Housing" Flats, Old Age Homes, Hostels, RDP etc</p>			
1	Replace WC Heavy duty seat cover	No	4
Carried Forward		ZAR	
<p>Section No. 7</p> <p>Bill No. 5</p> <p>Plumbing & Drainage (Measured Provisionally)</p> <p>Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>ELECTRICAL WORK</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			
<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>			
Carried Forward		ZAR	
<p>Section No. 7 Bill No. 6 Electrical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****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			
LUMINAIRES AND EQUIPMENT			
<u>Supply and install luminaires or equipment complete with lamps, connections, etc mounted in position indicated on the drawing</u>			
1	Linear 2 x 58W Channel fluorescent complete with electronic control gear equal to Lascon R258 Channel	No	8
2	Cover for linear 2 x 58W Channel fluorescent	No	14
3	Replace tubes for Linear 2 x 58W Channel fluorescent light fittings.	No	46
Carried Forward to Summary of Section No. 7		ZAR	
Section No. 7			
Bill No. 6			
Electrical Work			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 6</u>			
<u>MECHANICAL WORK</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 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>			
SUPPLEMENTARY PREAMBLES			
<u>Specifications, drawings, etc</u>			
<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>			
AIR CONDITIONING INSTALLATION			
Carried Forward		ZAR	
<p>Section No. 7 Bill No. 7 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

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JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
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 Forward to Summary of Section No. 8		ZAR	
	Section No. 8			
	Bill No. 1			
	Preliminaries & General			
	Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>COVID-19 SAFETY INSTALLATIONS</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>All work shall proceed under strict supervision of the Project Manager.</p>			
	SOCIAL DISTANCING MARKING			
1	48mm Wide Altezze floor marking red tape	m	50	
2	150 x 150mm plastic social distancing marker to be tapped on to the floor	No	40	
3	Blank out chairs with 48mm Altezze red tape.	No	16	
	Carried Forward		ZAR	
	<p>Section No. 8 Bill No. 2 Covid-19 Safety Installations Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Brought Forward			ZAR
SOCIAL DISTANCING DIVISIONS			
4	5mm Free standing perspex sneeze guard/screen with slide on stands/legs, cut to accommodate fittings, services and equipments.	m2	33
FITTINGS			
5	1524mm High foot operated aluminium hand sanitizing dispenser stand, with signage above, signage size: 215mm wide x 280mm high.	No	13
6	P-6000 Automatic sanitizing booth or similar approved.	No	1
SUNDRIES			
7	Macally clear protective keyboard cover, or similar approved.	No	3
8	12L Pedal operated polypropylene sanitary bin satin, size: 463 x 140 x 480mm	No	4
9	200 x 150mm International instruction signs suitable for outside	No	6
10	150 x 150mm International instruction signs suitable for inside	No	6
BUDGETARY AMOUNT			
11	Allow an amount of Five Thousand rand for Covid-19 awareness signage	Item	
Carried Forward to Summary of Section No. 8			ZAR
Section No. 8			
Bill No. 2			
Covid-19 Safety Installations			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Item No	Quantity	Rate	Amount
<u>BILL NO. 2</u>			
<u>PLUMBING & DRAINAGE (MEASURED PROVISIONALLY)</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			
<u>Sealing of edges:</u>			
Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone.			
<u>PVC-U pipes and fittings:</u>			
Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings. Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings.			
Carried Forward		ZAR	
Section No. 8 Bill No. 3 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****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. 8

Bill No. 3

Plumbing & Drainage (Measured Provisionally)

Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
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. 8

Bill No. 3

Plumbing & Drainage (Measured Provisionally)

Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

<p style="text-align: right;">Brought Forward</p> <p><u>Disinfection of water pipework:</u></p> <p>Water pipework is to be disinfected at completion.</p> <p><u>Petrolatum anti-corrosion tape:</u></p> <p>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.</p> <p>Prices for wrapping of pipes shall include for all work as described to couplings in the length.</p> <p>Laying, backfilling, bedding, etc of pipes:</p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled.</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with the relevant section of SANS 2001.</p>		ZAR	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 8 Bill No. 3 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD</p>		ZAR	

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS**

**CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019**

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).

CLEAR SEWER AND WASTE WATER BLOCKAGE

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.

Septic tank

Carried Forward

ZAR

Section No. 8

Bill No. 3

Plumbing & Drainage (Measured Provisionally)

Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Brought Forward		ZAR	
1	Empty and clear septic tank	Item	
REPLACE DAMAGED SANITARY FITTINGS			
<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			
2	Replace WC Heavy duty double flap plastic seat and cover	No	2
<u>Vitreous China Sanitaryware - "Vaal" or equally approved</u>			
3	550 x 400mm (approximately) wash hand basin	No	2
4	9 litre cistern complete with lid, top dual push button and fittings (flush pipe elsewhere)	No	2
5	"Daisy" white vitreous china WC semi-close coupled pan (code 774717) with matching 9litre cistern (code 710034) and white double flap plastic seat	No	2
6	Replace semi-close coupled cistern PVC flush pipe bend, rubber pan connector and seals	No	4
Carried Forward		ZAR	
Section No. 8 Bill No. 3 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Brought Forward			ZAR
REPLACE DAMAGED TAPS, VALVES, ETC.			
<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>			
Brass			
Cobra or equivalent Brass Check Valve			
7	15mm Brass Check valve "Code 1022-15"	No	4
SUNDRIES			
8	Attend to, fix leaking waste union and tighten backnut	No	2
9	Replace 15mm leaking tap or stoptap washer including spindle gland packing	No	2
10	Replace leaking or damaged rubber flushpipe connector	No	2
11	Seal leaking uPVC or cast iron WC pan connector joint	No	2
REPLACE DAMAGED SOIL, SEWER, WASTE, VENT PIPE AND FITTINGS			
PVC-U SOIL, SEWERAGE			
Carried Forward			ZAR
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Plumbing & Drainage (Measured Provisionally)			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

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CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

	Brought Forward			ZAR
	<u>Supply and install PVC-U class 51 - 100kPa Normal duty pipes, alteration, bedding and backfill measured elsewhere</u> <u>Extra over uPVC pipes for fittings</u>			
12	110mm Bend	No	2	
	REPLACE DAMAGED UNDERGROUND WATER PIPE AND FITTINGS Locate, isolate affected area, excavate for and replace damage to High Density Polyethylene (HDPE) water supply line and / or fittings in landscaped areas not exceeding 1m deep including backfilling, compacting, etc. and leave in good working order. Class 12 not exceeding 1.5m deep <u>Plasson compression fittings</u>			
13	25mm fittings	No	8	
	Carried Forward to Summary of Section No. 8 Section No. 8 Bill No. 3 Plumbing & Drainage (Measured Provisionally) Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			ZAR

JMPD VEHICLE TESTING STATIONS - 8 STATIONS
COVID-19 SAFETY INSTALLATION PROJECTS
CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT
2019

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u> <u>MECHANICAL WORK</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 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> SUPPLEMENTARY PREAMBLES <u>Specifications, drawings, etc</u> <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> PROVISIONAL SUMS <u>Airconditioning</u>			
1	Repair 12000 BTU Wall mounted unit with condensor section mounted on external wall	No	8	
	Carried Forward		ZAR	
	Section No. 8 Bill No. 4 Mechanical Work Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

JMPD VEHICLE TESTING STATIONS - 8 STATIONS**COVID-19 SAFETY INSTALLATION PROJECTS****CLIENT: JOHANNESBURG METROPOLITAN POLICE DEPARTMENT****2019**

Brought Forward		ZAR	
<u>Fire Protection</u>			
2 Allow a provisional amount of Five Thousand for refurbishing any defective fire protection equipment, including issuing COCs.	Item		
Carried Forward to Summary of Section No. 8		ZAR	
Section No. 8			
Bill No. 4			
Mechanical Work			
Prepared by Peo Ya Africa Consulting Engineering [PVT] LTD			

2020/05/29

JMPD VEHICLE TESTING STATIONS - 8 STATIONS

COVID-19 SAFETY INSTALLATION PROJECTS

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2019

SECTION SUMMARY - Section Eight - RANDBURG VEHICLE TESTING CENT

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