

## Bill of Quantities for Medupi BMS Site Establishment

A1	Preliminaries and General	UoM	Quantity	No	Rate	Amount
A1.1	Annual Medical Screening	Once off	1,00	39,00		R -
A1.2	Exit medical Screening	Once off	1,00	39,00		R -
A1.3	PPE	Annual p/p	1,00	39,00		R -
A1.4	Site Establishment	once -off	1,00	1,00		R -
A1.4	De-establishment	once -off	1,00	1,00		R -
	<b>Sub-Total Preliminaries and General</b>					<b>R -</b>
B1	Labour	UoM	Hours	Quantity	Rate	Amount
B1.1	Supervisor	hours	432	4,00		R -
B1.2	Steel Erectors	hours	141	8,00		R -
B1.3	Shutterhands	hours	156	4,00		R -
B1.4	Fitter Mechanical	hours	240	4,00		R -
B1.5	Utility man/ Semi Skilled	hours	342	8,00		R -
B1.6	Crane operator	hours	340	1,00		R -
B1.7	Riggers	hours	340	3,00		R -
B1.8	Plumber	hours	72	2,00		R -
B1.9	Boilermaker	hours	60	2,00		R -
B1.10	Pavers	hours	80	3,00		R -
	<b>Sub-Total Labour</b>					<b>R -</b>
C1	Plumbing Material	UoM	Quantity		Rate	Amount
C1.1	Tank, 2500l , vertical, plastic water Tank, Green	each	6,00			R -
C1.2	Tank, Septic Tank, Horizontal, 6000l, 1850mm X 2450mm	each	5,00			R -
C1.3	Pipe, Copper 15mm	m	550,00			R -
C1.4	Pipe, PVC 50mm	m	250,00			R -
C1.5	Pipe, PVC 110mm	m	240,00			R -
C1.6	Waste Water Trap, Plumbing kit, double sink, 50/90mm outlet	set	7,00			R -
C1.7	Pump, Water tank booster pump, 0,75kW, 80l/hr, 230V c/w auto start stop controller	each	6,00			R -
C1.8	Fitting, copper conression fitting, 15mm, straing coupling, male male	each	60,00			R -
C1.9	Fitting, copper, compression fitting, 15mm equal tee	each	60,00			R -
C1.10	Fitting, copper, compression fitting, 15mm 90 degree elbow	each	60,00			R -
C1.11	Valve, ball valve, 15mm brass, threaded ball valve	each	40,00			R -
C1.12	Fitting, PVC, 50mm, Tee	each	25,00			R -

C1.13	Fitting, PVC, 50mm, Tee, 3 way, 45 degree	each	10,00			R	-
C1.14	Fitting, PVC, 50mm, bend 45 degree, with access	each	20,00			R	-
C1.15	Fitting, PVC, 110mm, double socket	each	10,00			R	-
C1.16	Fitting, PVC, 110mm, plain junction 90 degree	each	10,00			R	-
C1.17	Fitting, SV, 110 mm 90 degree bend, with access	each	10,00			R	-
C1.18	Fitting, 110mm 45 degree bend with access	each	25,00			R	-
	<b>Sub-Total Plumbing Materials</b>						
<b>D1</b>	<b>Building Materials - Carport</b>	<b>UoM</b>	<b>Quantity</b>		<b>Rate</b>	<b>Amount</b>	
D1.1	Cement 32,5 kN, 50 kg bag	each	60,00			R	-
D1.2	Stone 13mm, granite aggregate	m3	60,00			R	-
D1.3	Riversand	m3	45,00			R	-
D1.4	Post, Y steel fence post 1800mm	each	480,00			R	-
D1.5	Post, boundary fence post, round 32X 1,6- 3m	each	68,00			R	-
D1.6	Gate and Fence Stay C/W Base Plate L/G (2400 x 38mm)	each	36,00			R	-
D1.7	Wire, Galvanized fence wire, 4mm X 50m	each	48,00			R	-
D1.8	Fence, Galvanized welded mesh 30m X 1800mm	each	80,00			R	-
D1.9	Gate, Gate and Fence, diamond Mesh, 1,8X 3m	set	8,00			R	-
D1.10	Carport, Arc Shaped Carport, IBR Roof sheeting. 0.5 mm thickness, 150 x 50 x 20 x 2 mm Lip channel – Outer steel frame 100 x 50 x 20 x 2 mm Lip channel – Inner frame (where your IBR is resting on to give the carport a nice “fascia” finish) 76 x 76 mm Square tube columns which is concreted securely into the ground. standard height of , 2.4 meters	set	12,00			R	-
	<b>Sub-Total Building Materials</b>					R	-
<b>E1</b>	<b>Shade Material for sitting area outside the containers and smoking area</b>	<b>UoM</b>	<b>Quantity</b>	<b>No</b>	<b>Rate</b>	<b>Amount</b>	
E1.1	Square Tubing, 100mX100X3mm, 6m LG	m	9,00	1,00		R	-
E1.2	Square Tubing, 76X76X3mm, 6m LG	m	27,00	1,00		R	-
E1.3	Lip Channel, 100X50X20X3mm, 6m LG	m	288,00	1,00		R	-
E1.4	IBR Sheetting, 6mX 750mmX 0,47mm	each	102,00	1,00		R	-
E1.5	Screw Nails, 6mm X 40mm	each	300,00	1,00		R	-
	<b>Sub-Total Shade Material</b>					R	-
<b>F1</b>	<b>Paving Material</b>	<b>UoM</b>	<b>Quantity</b>	<b>No</b>	<b>Rate</b>	<b>Amount</b>	
F1.1	Interlock pavers 80mm, 200X100X80mm, grey, pallet	set	43,00	1,00		R	-
F1.2	barrier kerb, 1000X180X280	m	260,00	1,00		R	-

	<b>Sub-Total Paving Material</b>					R -
<b>G1</b>	<b>Plant</b>	<b>UoM</b>	<b>Quantity</b>	<b>No.</b>	<b>Rate</b>	<b>Amount</b>
G1.1	25 ton crane (Wet rate inclusive of diesel, exclusive of operator) 8	days	10	1		R -
G1.2	Hire Lowbed, comes with operator, diesel, permits and escort	km	300,00	1,00		R -
	<b>Sub-Total Plant</b>					R -
<b>H1</b>	<b>Electrification</b>	<b>UoM</b>	<b>Quantity</b>	<b>No.</b>	<b>Rate</b>	<b>Amount</b>
H1.1	DB Board, IP 65 rating, Complies with IEC60669-2-1, IEC60669-1, SANS60947-2, SANS556-1 and VC8036 safety standards. 18Way Distribution Board Fully Populated MDB18-6SUR/ST/POP 18Way surface Distribution Board complete with: 1x 63A 2pole 3kA breaker 1x MRCD-63 2pole Earth Leakage 1x 40A 1pole 3kA breaker 4x 20A 1pole 3kA breaker 3x 10A 1pole 3kA breaker	each	16,00	1,00		R -
H1.2	220v 4x4 plugs	each	320,00	1,00		R -
H1.3	26 Watts lights	each	320,00	1,00		R -
H1.4	Split type Air Condition 12000BTU with B Rating	each	80,00	1,00		R -
H1.5	HYDROBOIL 2610012 10LT WHITE EPOXY (60 CUPS)	each	10,00	1,00		R -
H1.6	Free standing distribution board sizes, IP67 rating. 125A- 180A Simple plug & play connectivity 230V – 400V single and three phase – 50hz Interchangeable socket outlets from 16A – 63A Glanded hardwire facility MCB'S have C – type trip curves, all RCD's and RCBO's are type A IP rating: IP54 up to IP65 Stainless steel 1.4003 or Zintec 2.00 mm enclosures Door interlocking pad lockable handle Secondary door for access to main supply for safe isolation. Galvanised crash frame, forklift pockets and certified lifting points switchable and adjustable earth leakage.	each	4,00	1,00		R -
H1.7	Supply cable 95mm squared x500m	each	1,00	1,00		R -
H1.8	Certificate of Compliance (COC)	each	16,00	1,00		R -
	<b>Sub-Total Electrification</b>					
<b>I1</b>	<b>Refurbishment of Containers</b>	<b>UoM</b>	<b>Quantity</b>	<b>No.</b>	<b>Rate</b>	<b>Amount</b>

11.1	Refurbishment of containers( repairs on the park homes incuding wiring, plumbing, floor repairs, windows and doors, etc.)	each	18,00	1,00		R -
	<b>Sub-Total Refurbishment of Containers</b>					R -
	<b>TOTAL COSTS EXCL. VAT FOR THE WORKS EXCL.</b>					
	<b>Contingency 10%</b>					
	<b>TOTAL COSTS EXCL. VAT FOR THE WORKS INCL. CONTINGENCY</b>					R -

\*PPE includes: rain suit, reflective vest, safety boots, hard hats, ear

plugs, safety goggles, overalls and safety harness