

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 PRELIMINARY AND GENERAL

SECTION 1 : SANS 1200 A (GENERAL)

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1,0	SABS1200A	SECTION 1 : PRELIMINARY & GENERAL				
	PSA 8.2.1					
1,1	8,3	FIXED-CHARGED ITEMS				
	PSA 8.2.1					
1.1.1	8.3.1	Contractual Requirements	Sum	1		
1.1.2	8.3.2.1	Establish Facilities on the Site				
		a) Nameboard	Sum	1		
1.1.3	8.3.2.2	b) Facilities for Contractor (Offices and storage sheds)	Sum	1		
	PSA 8.2.1					
1.1.4	8.3.3	Other fixed -charge obligations	Sum	1		
	PSA 8.2.1					
1.1.5	8.3.4	Remove Contractor's Site establishment on completion	Sum	1		
1.1.6	PSA 1	Compliance with Enviromental Impact Assessment	Sum	1		
1,2	APPENDIX 1, 1A, 1B, 1C, 1D	HEALTH & SAFETY				
		a) Preparation of Health and Safety Plan	Sum	1		
		b) Health and Safety Training	Sum	1		
		c) Personal Protective Clothing and Equipment	Sum	1		
		d) Fences, Signs and Barricades	Sum	1		
		e) Establishment of Safety Administration	Sum	1		
		f) Other Health and Safety Fixed charge Obligation	Sum	1		
1,3	8,3	Value Related Items	Sum	1		
	PSA 8.2.1					
1,4	8,4	TIME-RELATED ITEMS				
	PSA 8.4.1					
1.4.1	8.4.1	Contractual Requirements	month	8		
TOTAL CARRIED FORWARD TO NEXT PAGE						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 PRELIMINARY AND GENERAL

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	
TOTAL BROUGHT FORWARD						
1.4.2	8.4.2	Operate and maintain facilities on site:	month	8		
1.4.3	8.4.2.2	Facilities for Contractor for the duration of construction, except where otherwise stated.	month	8		
1.4.4	8.4.3	General responsibilities and other time-related items.	month	8		
1,5	APPENDIX 1, 1A, 1B, 1C, 1D	HEALTH & SAFETY				
		a) Implementation and maintenance of Health and Safety Plan	Sum	1		
		b) Implementation and maintenance of Training	Sum	1		
		c) Maintenance of Personal Protective Clothing and Equipment	Sum	1		
		d) Maintenance of Fences, Signs and Barricades	Sum	1		
		e) Implementation and maintenance of Safety Administration	Sum	1		
		f) Other Health and Safety Time-related Obligation	Sum	1		
TOTAL CARRIED FORWARD TO NEXT PAGE						

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 PRELIMINARY AND GENERAL

SECTION 1 : SANS 1200 A (GENERAL)

ITEM NO	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
1,6	8,5	PROVISIONAL SUM				
1.6.1	PSA 2	Additional Tests required by the engineer	Prov sum	1		
1.6.2		Overheads & profit on item 1.6.1	%	10		
1.6.3	PSA 3	Community liasion officer	Prov sum	1		
1.6.4		Overheads & profit on item 1.6.3	%	10		
1.6.5		Provisional amount for training as directed by the	Prov sum	1		
1.6.6		Overheads & profit on item 1.6.5	%	10		
1.6.7	PSA 9	Additional survey required by engineer	Prov sum	1		
1.6.8		Overheads & profit on item 1.6.7	%	10		
1.6.9		Provisional sum for furniture	Prov sum	1		
1.6.10		Overheads & profit on item 1.6.9	%	10		
TOTAL CARRIED FORWARD TO SUMMARY						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 EARTHWORKS AND FORMATION OF PLATFORMS

SECTION 2 : EARTHWORKS

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2,0	SABS 1200 C & PSC	<u>SITE CLEARANCE</u>				
2,1	8.2.1	Clear and grub site	m2	17550		
2.2	8.2.2	<u>Remove and grub large trees and tree stumps of girth</u>				
2.2.1	a	over 0m and up to and including 1m	No	5		
2.2.2	b	over 1m and up to and including 2m	No	5		
2.2.3	c	over 2m and up to and including 3m	No	3		
2,3		<u>Remove topsoil, stockpile or dispose</u>				
2.3.1	8.2.10	Remove topsoil in vicinity of area to be grassed to a depth of 150mm prior to carrying out bulk excavation to platforms. Stockpile and maintain for further use.	m3	85		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 EARTHWORKS AND FORMATION OF PLATFORMS

SECTION 2 : EARTHWORKS

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
2,4	SABS 1200 D & PSD	EARTHWORKS				
2.4.1		<u>Bulk Excavation</u>				
		<u>Open face excavation in all materials over site</u>				
2.4.1.1	8.3.2	Excavate in all materials from natural ground level to desired platform level and form banks as detailed on drawings, or dispose at an approved dumping site within a freehaul distance 2 km	m3	27500		
2.4.1.2	8.3.2 b	Extra over for items 3.1.1				
2.4.1.3	8.3.2 b.1	Intermediate excavation	m3	5000		
2.4.1.4	8.3.2 b.2	Hard rock excavation	m3	50		
2.4.1.5	8.3.2 b.3	Boulder excavation Class A	m3	50		
2.4.2	8.3.3	<u>Restricted Excavation</u>				
		<u>Excavate in all materials and dispose at an approved dumping site within a freehaul distance of 2 km</u>				
2.4.2.1		1metre wide stormwater V channel	m3	290		
2.4.2.2		Elevated Tank Footing	m3	20		
2.4.3	8.3.4	<u>Stabilisation of Insitu material as directed.</u>				
		Compact insitu material to 93% Modified AASHTO dry density at O.M.C.	m2	16200		
2.4.4	8.3.4	<u>Importing of material :</u>				
2.4.4.1		Import G2 material from commercial source and place onsite to form platform as per drawings. Rate to include; transportation, placement of material in max 150mm layer, and compaction to 98 % MOD. AASHTO.	m3	860		
2.4.4.2		Import G5 material from commercial source and place onsite to form platform as per drawings. Rate to include; transportation, placement of material in max 150mm layer, and compaction to 97 % MOD. AASHTO.	m3	2950		
2.4.4.3		Import G7 material from commercial source and place onsite to form platform as per drawings. Rate to include; transportation, placement of material in max 150mm layer, and compaction to 95 % MOD. AASHTO.	m3	8650		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 EARTHWORKS AND FORMATION OF PLATFORMS

SECTION 2 : EARTHWORKS

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
2.5	8.3.8	<u>Existing Services</u>				
2.5.1	8.3.8.1 (c)	Excavate by hand in soft material to expose existing services	m3	50		
2.6	SABS 1200 D & PSD	<u>Grassing and ground covers</u>				
2.6.1	8.3.10	Topsoiling from Stockpile	m2	2250		
2.6.2	8.3.11 PSD 5.2.4.3	Planting and maintaining of kikiyu grass until established inclusive of slopes	m2	2250		
TOTAL CARRIED FORWARD TO SUMMARY						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 STORMWATER & ANCILLARY

SECTION 3 : STORMWATER & ANCILLARY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		<u>SECTION 3 : STORMWATER & ANCILLARY</u>				
3.1	SABS 1200GA 8.4.3	25 Mpa concrete : 200mm thick Surface Slab for Block manufacturing Platform	m3	1270		
3.2		25 Mpa concrete : 200mm thick stormwater V- channel	m3	115		
3.3		25 Mpa concrete : Elevated Tank footing	m3	10		
3.4	8,5	Form Joints in 200mm thick Surface slab per Detail on Drawing:				
3.4.1		Joint Type 1	m	900		
3.4.2		Joint Type 2	m	120		
3.4.3		Joint Type 3	m	900		
3.4.4		Joint Type 4	m	200		
3.4.2		Base edges to Elevated Tank footing- up to 1000m	m	15		
3.4.3		500mmx500mm Square Sides for footing Stub columns (1m high)	No.	4		
3.5	8.3.2	High Tensile Welded Mesh: Ref. 395	m2	5700		
		High Tensile Steel: Elevated Tank footing (Y16)	t	1,5		
3.6	8.4.4	Unformed Surface Finish: Wood float	m2	5700		
3.7		250 micron Upvc sheeting below slab (measured nett) inclusive of 250mm overlap and appropriate tape / weld	m2	5700		
3.8	SABS 1200LE 8.2.8	<u>Construction of Manholes</u>				
3.8.1		Construct 1100x1100 stormwater Grid inlet manhole in accordance with drawing to the following varying depths:				
3.8.1.1		(i) 0m up to and including 1.5m	No	18		
3.8.1.2		(ii) Exceeding 1.5m up to and including 3.0m	No	2		
3.9		<u>Stormwater pipelines</u>				
		<u>Site Clearance</u>				
3.9.1	8.2.1	Clear & grub 2m width of centre line of pipeline routes which are not on platforms.	m	300		
3.9.2	1200DB	Excavate in all materials for trenches for 250 diameter stormwater pipes backfill and compact including disposal of surplus material for trench depths:				
3.9.2.1		a) Over 0m up to 1.5m	m3	450		
3.9.2.1		b) Over 1.5m to 2.5m	m3	100		
3.9.3	1200LB	BEDDING (Pipes)				
		Supply only of Bedding by Importation				
3.9.3.1	8.2.2.3	From commercial sources				
3.9.3.2		a) Selected granular material	m3	250		
		b) Selected fill material	m3	110		
3.10		Supply, lay , bed and test pipes with the following:				
3.10.1	1200LE 8.2.1	250 mm diameter,Upvc, Class 34	m	650		
3.10.2		Construct Stormwater mitre chute drains in accordance with Drawing	No.	7		
3.11	1200MK	Precast kerbing to SABS 927				
3.11.1		Fig.6 Kerbing according to drawing	m	620		
NT						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 STORMWATER & ANCILLARY

SECTION 3 : STORMWATER & ANCILLARY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
NT						
3.12		<u>PERIMETER FENCING</u>				
3.12.1	SABS 1200 C 8.2.1	Clear and Grub Allow for all necessary clearing for fencing including grubbing and removal of scrub brush and trees not exceeding 200mm girth	m	655		
3.12.2		Supply and Install 2.4m high security Clear vu or similar fencing. 76.2mm x 12.7mm mesh apperture, Wire diameter of 3mm horizontal and 4mm Vertical. 4 Stiffening wire bends. Galvanised coating after welding. Corner and intermediate Posts and fixing Accessories, and 400x400x 600mm deep holes for 25Mpa Concrete.	m	655		
3.12.3		Supply and install 2.4m high x 6 m wide double swing Gate to match Clearvu or similar fencing, as indicated on drawing. Locking mechanism, accessories & concrete pocket included.	No	1		
3.13		<u>Water Supply</u>				
3.13.1		Establish and complete a production borehole to supply the proposed elevated water storage tank, including all plant, labout and materials necessary to drill ,case,develop , test and commision borehole Overheads & profit on item	Prov. Sum %	1	R 400 000,00	R 400 000,00
3.13.2		Supply, deliver, install, test and commision submersible borehole pump Overheads & profit on item	Prov. Sum %	1	R 100 000,00	R 100 000,00
3.13.3		Construct borehole pump housing complete Overheads & profit on item	Prov. Sum %	1	R 50 000,00	R 50 000,00
3.13.4		Supply, deliver, lay, joint and test rising main from borehole to elevated tank, including all fittings, couplings and jointing materials complete Overheads & profit on item	Prov. Sum %	1	R 75 000,00	R 75 000,00
3.13.5		Design, manufacture, supply, deliver, install, test and commission a complete containerised water treatment plant housed within a modified ISO shipping container suitable for treatment of borehole water prior to discharge into the elevated storage tank Overheads & profit on item	Prov. Sum %	1	R 500 000,00	R 500 000,00
3.13.6		Design, supply, deliver, install, test and commission a 10 kL plastic water storage tank mounted and held down onto on an elevated Galvanised Steel support structure approximately 10m above finished ground level. Professional certification to be provided for Steel Support structure, all pipe brackets for incoming pipework ,and holding down restraints for tank Overheads & profit on item	Prov. Sum %	1	R 250 000,00	R 250 000,00
3.13.7		Supply, deliver, lay, joint and test supply line from elevated tank to buildings including all fittings, couplings and jointing materials complete Overheads & profit on item	Prov. Sum %	1	R 35 000,00	R 35 000,00
TOTAL CARRIED FORWARD TO SUMMARY						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 SEWER

SECTION 4 SEWER

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.0		<u>SECTION 4: SEWER</u>				
		<u>Sewer pipelines</u>				
4.1	1200DB	Excavate in all materials for trenches for 160 diameter sewer pipes, backfill and compact including disposal of surplus material for trench depths:				
4.1.1		a) Over 0m up to 1.5m	m3	50		
4.1.2		b) Over 1.5m to 2.5m	m3	25		
4.2	1200LB	BEDDING (Pipes) Supply only of Bedding by Importation				
	8.2.2.3	From commercial sources				
4.2.1		a) Selected granular material	m3	25		
4.2.2		b) Selected fill material	m3	15		
4.2.3						
4.3	1200LD 8.2.1	Supply, lay bed and test pipes with couplings the following PVC pipes (Class 34):				
4.3.1		160 mm diameter class 34 PVC	m	75		
		<u>Construction of Manholes</u>				
4.4	8.2.3	Construct 1000 diameter sewer manholes in accordance with Drawing to the following varying depths:				
4.4.1		(i) 0m up to and including 1.5m	No	2		
4.4.2		(ii) Exceeding 1.5m up to and including 3.0m	No	1		
4.5		Supply, Installation and commissioning of 21500 litre capacity underground modular sewer conservancy tank by calcamite' or similar.	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5,1	SABS 1200D	<u>SECTION 5.1: EARTHWORKS</u>				
5.1.1	8.3.2	<u>Restricted Excavation</u> <u>Excavate in all materials and use for backfill or embankments or dispose, as ordered for: (Free haul 2km)</u>				
5.1.1.1		Strip Footings: 0m to 1m deep	m3	55		
5.1.1.2		Floor slabs	m3	20		
5.1.1.3		Aprons	m3	10		
5.1.2	8.3.2 b	<u>Extra over for excavation for all of the above in</u>				
5.1.2.1	8.3.2.b.1	Intermediate material	m3	20		
5.1.2.2	8.3.2 b.2	Hard rock material	m3	5		
5.1.2.3	8.3.2.b.3	Boulder excavation class A	m3	3		
5.1.3		<u>Backfill to Excavations</u> <u>Backfill and compact with material from excavations. (stockpile previously set aside)</u>				
5.1.3.1		Backfill against foundation brickwork in 200mm layers and compacted to 93% Mod. AASHTO density :	m3	25		
5.1.4		<u>Import material (commerical source)</u>				
5.1.4.1		150mm G2 layer under foundations compacted to to 95% Mod. AASHTO density :	m3	10		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT		RATE	AMOUNT
TOTAL BROUGHT FORWARD						
5,2	SABS	<u>SECTION 5.2: CONCRETE STRUCTURAL</u>				
5.2.1	1200 G & PSG5.5	<u>Unreinforced Concrete Works 20Mpa / 19mm</u>				
5.2.1.1	8.4.2	Blinding layer under foundation	m3		5	
5.2.2		<u>Reinforced Concrete Works 25Mpa / 19mm</u>				
5.2.2.1	8.3.2	Strip footings (for exterior and interior walls)	m3		15	
5.2.2.2		100 mm thick floor slabs including thickenings	m3		10	
5.2.2.3		Aprons : 1 m wrap around the admin building	m3		10	
5.2.3	8.3.2	<u>Fabric Reinforcing</u>				
5.2.3.1		Mesh Ref. 193 in floor slabs	m2		60	
5.2.3.2		Mesh Ref. 193 in aprons	m2		55	
5.2.4	8.3.2	<u>Rebar reinforcing for concrete strip footings</u>				
5.2.4.1		Mild steel bars 8 mm	t		0,50	
5.2.4.2		High tensile steel bars 10 mm	t		0,50	
5.4.2.3		12 mm	t		2,00	
5.4.2.3		16 mm	t		1,00	
5.2.5		<u>Concrete floor and apron joints per detail on Drawing</u>				
5.2.5.1		Construction joint type 1	m		50	
5.2.5.2		Construction joint type 2	m		55	
5.2.5.3		Construction joint type 3	m		35	
5.2.5.4		Construction joint type 4	m		20	
5.2.5.5		Construction joint type 5	m		15	
5.2.6	8.4.4	<u>Unformed Surface finishes</u>				
5.2.6.1	8.4.4 (c)	Power float finish concrete aprons	m2		55	
5.2.7		<u>Concrete Sundries</u>				
5.2.7.1		250 micron Upvc sheeting below slab (measured nett) incl. 250mm overlap and appropriate tape / weld	m2		145	
5.2.7.2		Ant poison (measured nett)	m2		145	
5.2.8		<u>Precast Concrete</u> <u>(all to be SABS approved)</u>				
5.2.8.1		Pre-cast lintels over door and window openings Double lintel for exterior walls, single over interior walls	m		55	
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT			AMOUNT
TOTAL BROUGHT FORWARD						
5,3	PB 5	<u>BRICKWORK</u>				
5.3.1		<u>Brickwork in class 1 mortar in stretcher bond.</u> <u>NFX bricks 14 Mpa nominal compressive strength</u> <u>2 R8 rods for the first 8 courses</u> <u>SABS approved</u>				
		Sub-structure brickwork				
5.3.1.1		110 mm thick brickwork Below interior walls, under slab, including brickforce in every second course	m2	25		
5.3.1.2		230 mm brickwork Below all exterior walls, under slab, including brickforce every second course	m2	35		
5.3.1.3		Extra Over: R8 rods every course	t	0,5		
		Super-structure brickwork				
5.3.1.3		110 common brick walls including brickforce every 4th course above floor slabs	m2	70		
5.3.1.4		230 common brick walls above floor slabs including brickforce walls	m2	120		
5.3.3		<u>Brickwork sundries</u>				
5.3.3.1		Hoop iron straps	m	100		
5.3.3.2		110 damp proofing	m	70		
5.3.3.3		230 damp proofing	m	120		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT		RATE	AMOUNT
TOTAL BROUGHT FORWARD						
		<u>BRICKWORK (CONTINUED)</u>				
5.3.4	PB 13	<u>PLASTERING</u>				
		Cement plaster to :				
5.3.4.1		All common super structure walls, internal and external	m2		380	
5.3.5		<u>Extra over for restricted areas</u>				
3.5.2.1		Around windows and doors	m		65	
5.3.6	PB 17	<u>PAINTWORK</u>				
		Supply paint and paint walls with one coat Dulux Durafill 70 fillercoat and finish with two coats Dura 65 matt acrylic or similar approved.				
5.3.6.1		All common super structure, Internal walls and external	m2		380	
5.3.6.2		Paint all barge boards with 2 coats acrylic white PVA. Spread rate 6 square meters per liter.	m2		15	
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT		RATE	AMOUNT
TOTAL BROUGHT FORWARD						
5.4		WINDOWS, DOORS AND CEILINGS				
5.4.1		<u>WINDOWS</u>				
		Supply and fix the following Aluminium windows. All openings including finishing with clear glazing. All in accordance to drawings.				
5.4.1.1		W1 900x600 aluminium framed window	No	2		
5.4.1.2		W2 1150x2000 aluminium framed window	No	7		
5.4.1.3		W3 950x600 aluminium framed window	No	1		
5.4.2	PB 8	<u>DOORS (Supply and Install)</u>				
		All doors including cabin hooks, rubber stops, door frames, finishings and locks.				
5.4.2.1		2030 x 813 x 40mm semi solid flush panel door with commercial veneer both sides and two edge strips or similar approved. All doors to receive one coat pink wood primer, undercoat and two coats gloss enamel. (D1)	No	3		
5.4.2.2		2030 x 813 x 40 solid Meranti double door ,meranti frame with four lever mortice lockset. All doors to be primed undercoat and 2 coats gloss enamel. All in accordance to drawings. D2	No	4		
5.4.3		<u>CEILINGS</u>				
5.4.3.1		Supply and install Rhinoboard or similar approved ceiling to all rooms including 38 x 38 brandering and two coats	m2	80		
		Extra over ceilings to :				
5.4.3.2		Supply and install gypsum cornices or similar approved around all ceilings including painting.	m	75		
TOTAL CARRIED FORWARD						

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 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT		RATE	AMOUNT
TOTAL BROUGHT FORWARD						
5,5	PB 8	<u>ROOF AND SHEETING</u>				
5.5.1		<u>Trusses</u>				
5.5.1.1		Plate nailed timber roof trusses to form roof structure over rectangular shaped administration building including overhangs. Trusses to be fixed at maximum of 760mm centres having a pitch not exceeding 28 degrees. Roof must be include permanent bracing. All inclusive of 76 x 38 battens and engineers certificate and inspections.	Sum	1		
5.5.2		<u>Roof Sheeting</u>				
5.5.2.1		Painted 0.6mm IBR colormet roof sheeting or similar approved including roof king roofing screws. Side laps finished with mastic sealant. Sondor corrugated pattern polyclosures to be included under ridge capping. The above must also be inclusive of all rid (change description from drawing)	m2	85		
5.5.3		<u>Roof Sundries</u>				
5.5.3.1		Sisalation RSA 420 underlay over trusses including training tape or similar approved. (overall roof area)	m2	85		
5.5.3.2		Supply and fix 200x80 everite nutec fibre cement or similar approved socketless barge boards including 76 x 50 trimmer batten for barge board fixing, screws and joiners	m	30		
5.5.3.3		Supply and fix Everite nutec Fibre-cement or similar approved fascia boards 225 x 12mm including screws.	m	50		
5.5.4	PB 15	<u>Gutters and downpipes</u>				
5.5.4.1		Supply and fix 100 x 75 x 0.6mm Thick-rolled formed Colourmet gutters or similar approved including joiners, brackets (max 1m centres) and gutter bolts.	m	25		
5.5.4.2		Extra over gutters for : Supply and fix to positions 75mm Dia. colormet downpipes or similar approved including wall brackets, swannecks and outlets. (Approximately 3m long)	No	4		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT		RATE	AMOUNT
TOTAL BROUGHT FORWARD						
5,6	PB 15	PLUMBING AND SEWERAGE				
5.6.1		SANITARY FITTINGS				
5.6.1.1		Hand Wash Basins (Supply and Install) White 510 x 405 Ceramic Fire clay wash basin or similar approved complete with 1 tap hole including necessary fittings, 8mm Diameter fixing bolts, wastes and bottle trap	No	3		
5.6.1.2		WC Toilet Suite (Supply and Install) Semi-close coupled WC suite comprising : Vitrous China 1040 outlet floor mounted washdown pan back entry type WC (code 400000) with matching 9 litre cistern or similar approved	No	2		
5.6.1.3		Stainless Steel urinal (Supply and install) Top entry baron bowl (305x420x 245) stainless steel urinal with auto flush mechanism.	No	1		
		<u>Extra Over For sanitory fittings:</u>				
5.6.1.4		Matching Toilet Seat	No	2		
5.6.1.5		Straight Pan Connectors	No	3		
5.6.1.6		Fastfit Toilet Roll Holder	No	3		
5.6.2		<u>50mm Pipes</u> 50mm uPVC pipes connecting sanitary fittings to main sewer line.	m	15		
5.6.2.1		Extra over 50mm pipes for :				
5.6.2.2		.01 50mm Upvc bends of varying	No	10		
5.6.2.3		.02 Bend access heel of all types	No	10		
5.6.2.4		Handling fee on item No. 8.2.2	%	10		
5.6.3		<u>110mm Main sewer line</u>				
5.6.3.1		110mm uPVC pipes laid to form main sewer line	m	20		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT		RATE	AMOUNT
TOTAL BROUGHT FORWARD						
5.7	PB 15	PLUMBING AND SEWERAGE(continued)				
	PB 15	Extra over 110mm pipes for : All 110mm inspection eyes, roding eyes, bends, junctions and fittings required to complete sewer connection from main line to sewer tank				
5.7.1		.01 uPVC Rodding eye 45 degrees	No	4		
5.7.2		.02 Socketed junction to suit	No	5		
5.7.3		.03 uPVC bends with varying degrees	No	4		
5.7.4		.04 uPVC junction plain 45 degrees	No	2		
5.7.5		Supply and install 110mm diameter vent pipe to sewer line including necessary fittings	No	3		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT		RATE	AMOUNT
TOTAL BROUGHT FORWARD						R -
5.8		<u>WATER SERVICES</u>				
5.8.1	PB 15	WATER CONNECTIONS				
5.8.1.1		Copper pipes. Rate to include supply and laying				
5.8.1.1.1		16mm Copper pipes	m	30		
		Extra Over pipes for :				
5.8.1.2		all 16mm copper fittings including elbows, tees, couplings and stop corks required to provide entry of water from external polycop line	Prov. sum	1		
5.8.1.3		Handling fee on item No. 7.1.2	%	10		
5.8.2		"Polycop" or similar approved polypropylene pipes with brass compression fittings. Rate to include excavation, supply, lay and backfill				
5.8.2.1		22mm "Polycop" pipe or similar approved.	m	30		
		Extra Over pipes for :				
5.8.2.2		all 22mm "polycop" fittings or similar approved including elbows, tees, couplings and stop corks required to carry water from main line to structure.	Prov. sum	1	R 3 500,00	R 3 500,00
5.8.2.3		Handling fee on item No. 7.1.5.1	%			
5.9	PB 18 & PC 1 to PC 20	ELECTRICAL INFRASTRUCTURE				
5.9.1		Electrical Infrastructure				
		Supply and install light fittings, plug points, switches, lights to entire building including conduits, electrical wiring and distribution board. Provide 15 x 1.5m double florescent tubes and 16 plug points. Sum to include con	Prov. sum	1	R 25 000,00	R 25 000,00
5.9.2		Handling fee on item No. 7.2.1	%			
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF ADMIN BUILDING

SECTION 5:ADMIN BUILDING

ITEM No	PAYMENT REF	DESCRIPTION	UNIT		RATE	AMOUNT
TOTAL BROUGHT FORWARD						
5.10		<u>SECTION 5.8 : MISCELLANEOUS ITEMS</u>				
5.10.1 5.10.1.1	PB 15	<u>Fire Safety</u> 1 x 4.5 Kg DCP (ABC Type) or similar approved Fire extinguisher inclusive of certification and signages	No		5	
5.10.2 5.10.2.2	PB 14	<u>Splashbacks</u> Supply and lay 152 x 152 x 5mm (Grade 1) white glazed ceramic tiles or similar approved fixed with adhesive to brickwork and grouted.	m2		5	
5.10.3 5.10.3.3	PB 9	<u>Floor Tiles</u> Supply and lay 300 x 300 (Grade 1) ceramic nonslip floor tiles or similar approved fixed with adhesive cement floors and grouted.all finished with 150mm high matching skirtings	m2		70	
5.10.4 5.10.4.1		<u>Mirrors</u> Supply and install 300 wide x 400mm high x 3mm thick silvered float glass copper backed mirrors or similar approved with proper screws and caps.	No		2	
5.10.5 5.10.5.1		<u>Air Conditioners</u> Supply and install 12000 BTU wall split unit. Rate to include all necessary fittings.	No		3	
5.10.6 5.10.6.1	PB 8	<u>Cupboards</u> Construct a melamine board or similar approved formed work top 600mm wide with profiled front edge in lengths of 2000mm. Shelves to be approximately 5000mm x 550mm x900mm high. All in accordance to drawings.	No		1	
5.10.7 5.10.7.1		<u>Skirting</u> 25mm x 100mm hard wood or similar approved skirtings with quadrant beads.	m		95	
TOTAL CARRIED FORWARD TO SUMMARY						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6,1	SABS 1200D	<u>SECTION 6.1: EARTHWORKS</u>				
6.1.1	8.3.2	<u>Restricted Excavation</u> <u>Excavate in all materials and use for backfill or embankments or dispose, as ordered for: (Free haul 2km)</u>				
6.1.1.1		Strip Footings: 0m to 1m deep	m3	45		
6.1.1.2		Floor slabs	m3	15		
6.1.1.3		Aprons	m3	15		
6.1.1.4		Seating area	m3	10		
6.1.1.5		Column bases	m3	30		
6.1.2	8.3.2 b	<u>Extra over for excavation for all of the above in</u>				
6.1.2.1	8.3.2.b.1	0.1 Intermediate material	m3	20		
6.1.2.2	8.3.2 b.2	0.2 Hard rock material	m3	5		
6.1.2.3	8.3.2.b.3	0.3 Boulder excavation class A	m3	2		
6.1.3		<u>Backfill to Excavations</u> <u>Backfill and compact with material from excavations (stockpile previously set aside)</u>				
6.1.3.1		Backfill to trenches compacted 93% Mod. AASHTO density :	m3	30		
6.1.4		<u>Import material (commerical source)</u>				
6.1.4.1		150mm G2 material beneath foundations and surface bed compacted to 98% Mod. AASHTO density :	m3	30		
6.1.4.2		150mm G5 material beneath surface bed compacted to 97% Mod. AASHTO density :	m3	20		
6.1.4.3		Rip 150mm insitu material, stabilise with 2% cement and compact to 93% Mod. AASHTO density	m3	20		
TOTAL CARRIED FORWARD						R -

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						R -
6.2	SABS 1200 G & PSG5.5	<u>SECTION 6.2: CONCRETE STRUCTURAL</u>				
6.2.1	8.2	<u>Formwork</u>				
6.2.1.1	8.2.1	Edges to Pad Bases- up to 300mm	m	70		
6.2.1.2	8.2.2	350mm x500mm x1m high sides to Stub columns (smooth)	No	12		
6.2.2		<u>Unreinforced Concrete Works 20Mpa / 19mm</u>				
6.2.2.1		50 mm blinding layer below foundations	m3	5		
6.2.3		<u>Reinforced Concrete</u> <u>Concrete 25Mpa / 19mm</u>				
6.2.3.1	8.4.3	Strip foundations	m3	15		
6.2.3.2		Stub columns	m3	5		
6.2.3.3		Stub column bases	m3	10		
6.2.3.4		100 mm Thick floor slabs including thickenings	m3	10		
6.2.3.5		Aprons	m3	10		
6.2.3.6		Seating area	m3	5		
6.2.4	8.3.2	<u>Fabric Reinforcing</u>				
6.2.4.1		Mesh Ref. 193 in floor slabs	m2	60		
6.2.4.2		Mesh Ref. 193 in aprons	m2	50		
6.2.4.3		Mesh Ref. 193 in seating area slab	m2	65		
6.2.5		<u>Rebar reinforcing for concrete</u> <u>For strip footings, stub columns, stub column base</u>				
6.2.5.1		Mild steel bars 8 mm	t	0,50		
6.2.5.2		High tensile steel bars 10 mm	t	1,50		
6.2.5.3		12 mm	t	4,00		
6.2.5.4		16 mm	t	3,00		
6.2.6		<u>Concrete joints for floor slab, verandah and apron per Detail on Dwg.</u>				
6.2.6.1		Construction joint type 1	m	50		
6.2.6.2		Construction joint type 2	m	40		
6.2.6.3		Construction joint type 3	m	80		
6.2.6.4		Construction joint type 4	m	15		
6.2.6.5		Construction joint type 5	m	60		
6.2.6.6		Construction joint type 6	m	5		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6.2.7	8.4.4	<u>Unformed Surface finishes</u>				
6.2.7.1	8.4.4 (a)	Wood Float to concrete aprons	m2	65		
6.2.7.2	8.4.4 (c)	Power float finish concrete floor slabs,	m2	60		
6.2.7.3		Polished concrete finish to floor slabs	m2	50		
6.2.8		<u>Concrete Sundries</u>				
6.2.8.1		250 micron Upvc sheeting below slab (measured nett) inclusive of 250mm overlap and appropriate tape / weld	m2	170		
6.2.8.2		Ant poison (measured nett)	m2	170		
6.2.9		<u>Precast Concrete</u> (all to be SABS approved)				
6.2.9.1	8.6 (c)	3 sided gully (15kg) to waste water	No	2		
6.2.9.2		4 sided gully (27kg) to waste water	No	2		
6.2.9.3		Pre-cast lintels over door and window openings Double lintel for exterior walls, single over interior walls	m	45		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						R -
6,3	PB 5	SECTION 6.3 : BRICKWORK				
6.3.1		<u>Brickwork in class 1 mortar in stretcher bond.</u> <u>NFX bricks 14 Mpa nominal compressive strength</u> <u>2 R8 rods for the first 8 courses</u> <u>SABS approved</u>				
		Sub-structure brickwork				
6.3.1.1		230 mm brickwork Below all exterior and interior walls, under slab, Including brickforce every 4th course	m2	75		
		Extra Over: R8 rods in every course	t	0,5		
		Super-structure brickwork				
6.3.1.2		230 mm brick walls above floor slabs Including brickforce every 4th course	m2	185		
6.3.2		BRICKWORK SUNDRIES				
6.3.2.3		220 damp proofing	m2	185		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6.3.2.1	PB 13	<u>SECTION 6.3 : BRICKWORK (CONTINUED)</u> <u>PLASTERING</u>				
6.3.2.1.1		Cement plaster to : all common super structure walls, internal and external	m2	370		
6.3.2.1.2		<u>Extra over for restricted areas</u> around windows and doors	m	70		
6.3.3	PB 17	<u>PAINTWORK</u>				
6.3.3.1		Supply paint and paint walls with one coat Dulux Durafill 70 fillercoat and finish with two coats Dura 65 matt acrylic or similar approved. Internal walls, where applicable	m2	370		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6,4		<u>SECTION 6.4: STRUCTURAL STEEL</u>				
6.4.1	SABS 1200 H	Structural steel portal frame for workers facility inclusive of supply, fabrication, welding, priming, painting, base plates etc. including delivery to site, erection and painting. Grade 350 W , HDG (All in accordance to engineers details)				
	8.3.1.2					
6.4.1.1		89mmØx3mm C.H.S forming Eaves Beam	kgs	350		
6.4.1.2		60x60x5 "L" angle iron forming bracing	kgs	300		
6.4.1.3		40x40x4 "L" angle iron forming sag angles	kgs	150		
6.4.1.4		203 x 133 x 25 I beam forming Stanchion	kgs	1000		
6.4.1.5		180 IPE beam forming Rafter	kgs	1150		
6.4.1.6		180 IPE beam forming Haunches	kgs	550		
6.4.1.7		175x65x20x2.5 Cold formed lipped channel forming purlins	kgs	1150		
6.4.1.8		Connection Plates	kgs	300		
6.4.1.9		Bolts grade 8.8 M16	kgs	150		
6.4.1.10	8.3.1.1	Preparation of shop detail drawings for approval by the engineer	Sum	1		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6,5		<u>SECTION 6.5 : WINDOWS, DOORS AND CEILINGS</u>				
6.5.1		WINDOWS				
		Supply and fix the following aluminium windows. All openings including finishing with clear glazing. All in accordance to drawings.				
6.5.1.1		1200 x 1150 aluminium framed window Top hung SANS 10400 PART N.(W1)	No	4		
6.5.2	PB 8	DOORS (Supply and Install)				
		All doors including cabin hooks, rubber stops, door frames, finishings and locks.				
6.5.2.1		813 X 2032 mm flush panel Semi-solid door (D1) Finishes according to drawing	No	2		
6.5.2.2		813 X 2032 mm flush panel SEMI-SOLID DOOR. Semi-solid door (D2) Finishes according to drawing	No	5		
6.5.2.3		995 X 2032 mm flush panel SEMI-SOLID DOOR. Semi-solid door (D3) for disabled access Finishes according to drawing	No	1		
6.5.3		CEILINGS				
6.5.3.1		Supply and install Rhinoboard or similar approved ceiling to all rooms including 38 x 38 brandering and two coats PVA paint.	m2	60		
		Extra over ceilings to :				
6.5.3.2		Supply and install gypsum cornices or similar approved around all ceilings including painting.	m	155		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6,6	PB 8	<u>SECTION 6.6 : ROOF AND SHEETING</u>				
6.6.1		Roof Sheeting				
6.6.1.1		0.58MM THICK 700MM COVER KLIP-TITE™ PROFILE CHROMADEK® Z200 SPELTER ISQ550 DARK DOLPHIN FINISH TOPCOAT AND PEBBLE GREY BACKING COAT	m2	185		
6.6.2		Roof Sundries				
6.6.2.1		Sisalation RSA 420 underlay over trusses including training tape or similar approved.	m2	185		
6.6.2.2		Supply and fix 200x80 everite nutec fibre cement or similar approved socketless barge boards including 76 x 50 trimmer batten for barge board fixing, screws and joiners	m	15		
6.6.2.3		Supply and fix Everite nutec Fibre-cement or similar approved fascia boards 225 x 12mm including screws.	m	15		
6.6.3	PB 15	Gutters and downpipes				
6.6.3.1		Supply and fix 100 x 75 x 0.6mm Thick-rolled formed Colourmet gutters or similar approved including joiners, brackets (max 1m centres) and gutter bolts.	m	20		
6.6.4		Extra over gutters for :				
6.6.4.1		Supply and fix to positions 75mm Dia. colormet downpipes or similar approved including wall brackets, swannecks and outlets. (Approximately 3m long)	No	10		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						R -
6,7	PB 15	SECTION 6.7 : PLUMBING AND SEWERAGE				
6.7.1		SANITARY FITTINGS				
6.7.1.1		Hand Wash Basins (Supply and Install) White 510 x 405 Ceramic Fire clay wash basin or similar approved complete with 1 tap hole including necessary fittings, 8mm Diameter fixing bolts, wastes and bottle trap	No	6		
6.7.1.2		WC Toilet Suite (Supply and Install) Semi-close coupled WC suite comprising : Vitrous China 1040 outlet floor mounted washdown pan back entry type WC (code 400000) with matching 9 litre cistern or similar approved.	No	6		
		Stainless Steel urinal (Supply and install) Top entry baron bowl (305x420x 245) stainless steel urinal complete with auto flush mechanism.	No	3		
6.7.2		Extra Over For :				
6.7.2.1		Matching Toilet Seat	No	6		
6.7.2.2		Straight Pan Connectors	No	6		
6.7.2.3		Fastfit Toilet Roll Holder	No	6		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6.7.3		PLUMBING AND SEWERAGE Rates to include supply and lay as well as excavation, class "B" bedding and backfill where applicable				
6.7.3.1		50mm Pipes				
6.7.3.1.1		50mm uPVC pipes connecting sanitary fittings to main sewer line.	m	80		
		Extra over 50mm pipes for :				
6.7.3.1.2		.01 50mm Upvc bends of varying	No	45		
6.7.3.1.3		.02 Bend access heel of all types	No	10		
6.7.4		110mm Main sewer line				
6.7.4.1		110mm uPVC pipes laid to form main sewer line	m	40		
	PB 15	Extra over 110mm pipes for :				
		All 110mm inspection eyes, roding eyes, bends, junctions and fittings required to complete sewer connection from main line to sewer tank				
6.7.4.2		.01 uPVC Rodding eye 45 degrees	No	10		
6.7.4.3		.02 Socketed junction to suit	No	10		
6.7.4.4		.03 uPVC bends with varying degrees	No	40		
6.7.4.5		.04 uPVC junction plain 45 degrees	No	10		
6.7.4.6		Supply and install 110mm diameter vent pipe to sewer line including necessary fittings	No	10		
6.7.5		Manholes				
6.7.5.1		Construct valve manholes in accordance to drawings. Sum to include 1000mm nominal diameter precast concrete rings to form manhole walls, 100mm thick concrete cover slab and lightduty lid. (concrete bases measured separately). All for the following varying in depth	No	2		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6.8		<u>SECTION 6.8 : WATER AND ELECTRICAL SERVICES</u>				
6.8.1	PB 15	WATER CONNECTIONS				
		Copper pipes. Rate to include supply and laying				
6.8.1.1		16mm Copper pipes	m	70		
6.8.2		Extra Over pipes for :				
6.8.2.1		all 16mm copper fittings including elbows, tees, couplings and stop corks required to provide entry of water from external polycop line	Prov. sum	1	R 5 000,00	R 5 000,00
6.8.2.2		Handling fee on item No. 7.1.2	%			
6.8.3		"Polycop" or similar approved polypropylene pipes with brass compression fittings. Rate to include excavation, supply, lay and backfill				
6.8.3.1		22mm "Polycop" pipe or similar approved.	m	70		
6.8.4		Extra Over pipes for :				
6.8.4.1		all 22mm "polycop" fittings or similar approved including elbows, tees, couplings and stop corks required to carry water from main line to structure.	Prov. sum	1	R 10 000,00	R 10 000,00
6.8.4.2		Handling fee on item No. 7.1.5	%			
6.8.5	PB 18 & PC 1 to PC 20	ELECTRICAL INFRASTRUCTURE				
6.8.5.1		Supply and install light fittings, plug points, switches, lights to entire building including conduits, electrical wiring and distribution board. Provide 15 x 1.5m double florescent tubes and 16 plug points. Sum to include connection to main power supply and all to be ready for use on completion. Rate to include electrical certificate of compliance	Prov. sum	1	R 25 000,00	R 25 000,00
6.8.5.2		Handling fee on item No. 7.2.1	%			
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF WORKERS FACILITY

SECTION 6: WORKERS FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
6.9		<u>SECTION 6.8 : MISCELLANEOUS ITEMS</u>				
6.9.1	PB 15	Fire Safety				
6.9.1.1		1 x 4.5 Kg DCP (ABC Type) or similar approved Fire extinguisher inclusive of certification and signages	No	2		
6.9.2	PB 14	Splashbacks				
6.9.2.1		Supply and lay 152 x 152 x 5mm (Grade 1) white glazed ceramic tiles or similar approved fixed with adhesive to brickwork and grouted.	m2	15		
6.9.3	PB 9	Wall Tiles				
6.9.3.1		Supply and lay 150 x 150 (Grade 1) ceramic wall tiles or similar approved fixed with adhesive cement floors and grouted.all finished with 150mm high matching skirtings	m2	220		
6.9.4		Mirrors				
6.9.4.1		Supply and install 300 wide x 400mm high x 3mm thick silvered float glass copper backed mirrors or similar approved with proper screws and caps.	No	10		
6.9.5		Floor Finishers				
6.9.5.1	PB 9	Supply and lay 300 x 300 (Grade 1) ceramic or similar approved floor tiles fixed with adhesive to floors and grouted.	m2	60		
6.9.5.2		25mm x 125mm hard wood or similar approved skirtings with quadrant beads.	m	155		
TOTAL CARRIED FORWARD TO SUMMARY						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF STORAGE FACILITY

SECTION 7: STORAGE FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7,1	SABS 1200D	<u>SECTION 7.1: EARTHWORKS</u>				
7.1.1	8.3.2	<u>Restricted Excavation</u> <u>Excavate in all materials and use for backfill or embankments or dispose, as ordered for: (Free haul 2km)</u>				
7.1.1.1		Footings : 0m to 1.5m deep	m3	80		
		Sump: 0m to 2.5m deep	m3	30		
7.1.2	8.3.2 b	Extra over for excavation for all of the above in				
7.1.2.1	8.3.2.b.1	0.1 Intermediate material	m3	25		
7.1.2.2	8.3.2 b.2	0.2 Hard rock material	m3	2		
7.1.2.3	8.3.2.b.3	0.3 Boulder excavation class A	m3	2		
7.1.3		<u>Backfill to Excavations</u> <u>Backfill and compact with material from excavations (stockpile previously set aside)</u>				
7.1.3.1		Backfill to trenches in 200mm layers and compact to 93% Mod. AASHTO density :	m3	65		
		<u>Backfill and compact with "G2" material from a commercial source</u>				
7.1.3.2		150mm thick underneath pad bases and compact to 98% Mod. AASHTO density :	m3	8		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 CONSTRUCTION OF STORAGE FACILITY

SECTION 7: STORAGE FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
7,2	SABS 1200 G & PSG5.5	<u>SECTION 7.2: CONCRETE STRUCTURAL</u>				
7.2.1	8,2	<u>Formwork</u>				
	8.2.1	Edges to Pad Bases- up to 300mm	m	85		
	8.2.2	600mmx500mmx1m high sides to Stub columns (smooth)	No	12		
		Sides to Sump walls - up 2.5metres (smooth)	m2	75		
		Horizontal formwork to roof slab soffit- 2.6m high	m2	40		
		Edge to roof slab up to 200mm	m	25		
7.2.2	PSG5.5	<u>Unreinforced Concrete Works 20Mpa / 19mm</u>				
	8.4.2	Blinding layer under foundation	m3	5		
7.2.3	8.4.3	<u>Reinforced Concrete Concrete 25Mpa / 19mm</u>				
7.2.3.1		Concrete pad Base and footings	m3	30		
7.2.3.2		Concrete stub columns	m3	5		
7.2.3.3		Concrete encasement to columns	m3	10		
7.2.3.4		Concrete Sump side walls and Base	m3	12		
7.2.3.5		Concrete Plinth /Floor thickening	m3	25		
7.2.3.6		Concrete roof Slab	m3	10		
7.2.4		<u>Steel Reinforcement</u>				
7.2.4.1		Mild steel bars 8 mm	t	0,5		
7.2.4.2		High tensile steel bars 10 mm	t	1		
7.2.4.3		12 mm	t	8		
7.2.4.4		16 mm	t	3		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 CONSTRUCTION OF STORAGE FACILITY

SECTION 7: STORAGE FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
7.3	PB 5	<u>SECTION 7.3 : BRICKWORK</u>				
7.3.1		<u>Brickwork in class 1 mortar in stretcher bond.</u> <u>NFX bricks 14 Mpa nominal compressive strength</u> <u>2 R8 rods for the first 8 courses</u> <u>SABS approved</u>				
		Sub-structure brickwork				
7.3.2		230 mm brickwork Below all exterior and interior walls, under slab, Including brickforce every 4th course	m2	30		
7.3.2.1		Extra Over: R8 rods in every course	t	0,3		
		Super-structure brickwork				
7.3.3		230 mm brick walls above floor slabs Including brickforce every 4th course	m2	80		
		BRICKWORK SUNDRIES				
7.3.4		220 damp proofing	m2	30		
7.3.5		Bondbreaker between Wall and roof slab- 2 layers DPC	m	30		
7.3.6	PB 13	<u>PLASTERING</u>				
7.3.6.1		Cement plaster to : all common super structure walls, internal and external	m2	16		
7.3.6.2		<u>Extra over for restricted areas</u> around windows and doors	m	70		
7.3.7	PB 17	<u>PAINTWORK</u>				
7.3.7.1		Supply paint and paint walls with one coat Dulux Durafill 70 fillercoat and finish with two coats Dura 65 matt acrylic or similar approved. Internal walls, where applicable	m2	180		
TOTAL CARRIED FORWARD						

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 CONSTRUCTION OF STORAGE FACILITY

SECTION 7: STORAGE FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
7.4		<u>SECTION 7.4 : WINDOWS, DOORS AND CEILINGS</u>				
		WINDOWS				
7.4.1		Supply and fix the following aluminium windows. All openings including finishing with clear glazing. All in accordance to drawings.				
		1200 x 1150 aluminium framed window Top hung- W1 SANS 10400 PART N.(W1)	No	2		
7.4.2	PB 8	DOORS (Supply and Install)				
7.4.2.1		All doors including cabin hooks, rubber stops, door frames, finishings and locks.				
7.4.2.1.1		813 X 2032 mm solid door as per schedule- D1 Finishes according to drawing	No	1		
7.4.2.1.2		2400 X 2100 mm roller shutter door as per schedule- D2 Finishes according to drawing Finishes according to drawing	No	2		
7.4.2.2		<u>Extra over for restricted areas</u> around windows and doors	m	70		
7.4.3	PB 17	<u>PAINTWORK</u>				
7.4.3.1		Supply paint and paint walls with one coat Dulux Durafill 70 fillercoat and finish with two coats Dura 65 matt acrylic or similar approved.				
		Internal walls, where applicable	m2	180		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 CONSTRUCTION OF STORAGE FACILITY

SECTION 7: STORAGE FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
7.5		<u>SECTION 7.5: STRUCTURAL STEEL</u>				
7.5.1	SABS 1200 H 8.3.1.2	Structural steel portal frame for workers facility inclusive of supply, fabrication, welding, priming, painting, base plates etc. including delivery to site, erection and painting. Grade 350 W , HDG (All in accordance to engineers details)				
7.5.1.1		102mmØx3mm C.H.S forming Eaves Beam	kgs	460		
7.5.1.2		40x40x4 "L" angle iron forming bracing	kgs	520		
7.5.1.3		40x40x4 "L" angle iron forming sag angles	kgs	320		
7.5.1.4		406 x 178 x 60 I beam forming Stanchion	kgs	5100		
7.5.1.5		406 x 178 x 60 IPE beam forming Rafter	kgs	8900		
7.5.1.6		406 x 178 x 60 IPE beam forming Haunches	kgs	3000		
7.5.1.7		175x65x20x2.5 Cold formed lipped channel forming purlins	kgs	4000		
7.5.1.8		Connection Plates	kgs	2250		
7.5.1.9		Bolts grade 8.8 M20	kgs	600		
7.5.1.10	8.3.1.1	Preparation of shop detail drawings for approval by the engineer	Sum	1		
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 CONSTRUCTION OF STORAGE FACILITY

SECTION 7: STORAGE FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
7.6		<u>SECTION 7.6 : WATER AND ELECTRICAL SERVICES</u>				
7.6.1	PB 18 & PC 1 to PC 20	<u>ELECTRICAL INFRASTRUCTURE</u>				
7.6.2		Supply and install light fittings, plug points, switches, lights to entire building including conduits, electrical wiring and distribution board. Provide 3 x 1.5m double florescent tubes and 4 plug points. Sum to include con	Prov.sum	1	R 65 000,00	R 65 000,00
7.6.3		Handling fee on item No. 7.2.1	%			
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
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 CONSTRUCTION OF STORAGE FACILITY

SECTION 7: STORAGE FACILITY

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
7.7		<u>SECTION 8: MISCELLANEOUS ITEMS</u>				
7.7.1	PB 15	Fire Safety				
7.7.1.1		4.5 Kg DCP (ABC Type) or similar approved Fire extinguisher inclusive of certification and signages	No	2		
TOTAL CARRIED FORWARD TO SUMMARY						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
 MPISI MANUFACTURING HUB
 SUPPLY AND INSTALLATION OF MECHANICAL EQUIPMENT

SECTION 8 : MECH. EQUIPMENT

ITEM No	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
8,0		<u>SECTION 8 : MECHANICAL EQUIPMENT</u>				
8,1		Supply, Delivery, Installation and Commissioning of Stationary Electro-Hydraulic Block Making Plant				
8.1.1		<p>Provisional Sum for the complete supply, delivery to site, off-loading, erection, installation, testing, commissioning and training for a fully operational stationary electro-hydraulic concrete block making plant, including all associated plant, equipment, accessories and ancillary systems necessary for full production.</p> <p>PMSA VB1 stationary electro-hydraulic block making machine, complete with tamper (excluding tamper vibrators).</p> <p>Mould boxes and tampers for:</p> <ul style="list-style-type: none"> • 4 hollow blocks (390 x 140 x 190mm) • 14 maxi bricks (290 x 90 x 140mm) • 3 hollow blocks (400 x 200 x 200mm) <p>Complete mixing and weigh-batching system comprising:</p> <ul style="list-style-type: none"> • Mixer stand and platform with ladder, railing, and skip extension rails • PMSA V500 pan mixer with loader skip • Through-flow water meter • 250kg automatic cement scale • Inclined cement screw conveyor • Bag breaker unit for bagged cement <p>Product and board handling system, including:</p> <ul style="list-style-type: none"> • Rail-travelling stacking gantry with chain hoists • Gantry rails • Chain conveyor • 1000 production boards (760 x 760 x 25mm) <ul style="list-style-type: none"> • 100kVA, 400V, 50Hz, 3-phase generator set with associated cabling • 2.5-ton forklift • All electrical cabling and pneumatic piping necessary for full plant integration (excluding external supply cable and compressor unless otherwise specified) <p>The provisional sum shall include:</p> <ul style="list-style-type: none"> • Transportation to site • Off-loading and positioning • All temporary works and lifting equipment • Erection and installation • Mechanical and electrical integration • Testing and commissioning to operational readiness • Performance verification • On-site training of the Employer's personnel • Contractor's travel, accommodation and subsistence • All supervision, labour, tools, consumables and incidentals 	Prov sum %	1	R 6 800 000,00	R 6 800 000,00
TOTAL CARRIED FORWARD						

WINNIE MADIKIZELA DISTRICT LOCAL MUNICIPALITY
MPI SI MANUFACTURING HUB
CONSTRUCTION OF STORAGE FACILITY

PRICING SUMMARY

PART	DESCRIPTION	AMOUNT
SECTION 1	PRELIMINARY AND GENERAL	
SECTION 2	EARTHWORKS	
SECTION 3	STORMWATER & ANCILLARY	
SECTION 4	SEWER	
SECTION 5	ADMIN BUILDING	
SECTION 6	WORKERS FACILITY	
SECTION 7	STORAGE FACILITY	
SECTION 8	MECHANICAL EQUIPMENT	
SUB TOTAL:		
VAT: 15%		
TOTAL (INCL VAT):		