

BLOUBERG LOCAL MUNICIPALITY
 PROJECT NO. BM08/17/18
 CONSTRUCTION OF MOKHURUMELA CRECHE

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BUILDING WORKS</u>				
	<u>FOUNDATION</u>				
	<u>PREAMBLES</u>				
	For preambles see "Specifications of material and methods to be used - PW371				
	<u>SUPPLEMENTRY PREAMBLES</u>				
	<u>Site clearance</u>				
1(LIC)	Removing rubbish, debris, vegetation, hedges, shrubs, digging up and grub large trees not exceeding 200mm girth, bush etc	m ²	250		
	<u>EXCAVATION, FILLING ETC</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
2(LIC)	Trenches	m ³	65		
	<u>Extra ovevr trench and hole excavation in earth for excavation in:</u>				
3(LIC)	Soft rock	m ³	5		
4(LIC)	Hard rock	m ³	5		
	<u>Keeping excavations free of water</u>				
5(LIC)	Keeping excavation free of all water other than subterranean water	m ³	65		
	<u>Prescribed density test on filling</u>				
6(LIC)	"Modified AASHTO Density" test	no	4		
	<u>COMPACTION</u>				
7(LIC)	To bottom and sides of trenches etc	m ²	100		
	<u>SOIL POISONING</u>				
8(LIC)	Underfloors etc including forming and poisoning shallow furrow against foundation wall etc, filling in furrows and ramming	m ²	240		
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACED</u>				
1(LIC)	Blinding layer - 75mm thick (20 Mpa)	m ³	6		
	<u>25MPa /19mm concrete</u>				
2(LIC)	Concrete Strip footings (660 x 230)	m ³	15		
	<u>BRICKWORK IN FOUNDATION</u>				
3(LIC)	Brickworks	m ²	90		
	<u>COMPACTION</u>				
1(LIC)	Compaction of the surface bed	m ²	240		
2(LIC)	250 Micro Consol plastic gunplas USB GREEN (Water proof membrane sealed at laps by gunplas pressure	m ²	230		
	TOTAL CARRIED FORWARD				

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TOTAL BROUGHT FORWARD					
	REINFORCEMENT				
1(LIC)	a) Mesh Ref 193	m ²	230		
	25MPa/19mm concrete				
1(LIC)	Cast in slab mass concrete	m ³	25		
2(LIC)	Apron on slab	m ³	9		
	TEST TUBES				
	Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved Testing laboratory for testing and paying all charges in connection therewith	Sets	4		
TOTAL CARRIED FORWARD TO SECTION SUMMARY					

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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
	<u>SUPERSTRUCTURE</u>				
	<u>BRICKWORK (NFP)</u>				
	<u>Brickwork of NFP bricks in class II mortar</u>				
1(LIC)	4 x 110 x 110 mm brickwork with 10 mm mortar between brickwork.	m ²	0		
2(LIC)	External wall(double wall)	m ²	234		
3(LIC)	Internal walls(single wall)	m ²	165		
	<u>WATER PROOFING</u>				
	For preambles see "Specifications of material and methods to be used - PW371"				
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>				
	<u>One layer of 375 micro " Consol plastics Brikgrip DPC" embossed damp proof course in walls</u>				
1 (LIC)	PVC damp course 114 SABS Black	no	2		
2(LIC)	PVC damp course 228 SABS Black	no	3		
	<u>BRICKWORK SUNDRIES</u>				
	<u>Brickwork reinforcement</u>				
1 (LIC)	Brick force 2.8X75mm 20MT SABS	no	45		
2 (LIC)	Brick force 2.8 X 150mm 20M SABS	no	65		
3(LIC)	115mm Wide reinforcement built in horinzotally (internal)	m	2000		
4(LIC)	150mm Wide reinforcement built in horizontally (external)	m	2000		
5(LIC)	10mm Expansion joint around the perimeter filled by treated bitumen impregnated softboard	m	200		
6(LIC)	100mm steel float concrete surface bed casted on bays of not more than 3000mm.	m ²	240		
	<u>BRICKWORK</u>				
1(LIC)	Windows sills sloping and slightly projecting outside	m	65		
2(LIC)	Brick lintels	m	22		
	<u>Masonry Plastering</u>				
3(LIC)	Mortar for plastering(internal & external for the whole building)	m ²	798		
	<u>CONCRETE IN SUNDRIES</u>				
	<u>Finishing top surface of concrete rough with a wood float</u>				
4(LIC)	Surface beds, slabs, etc to falls	m ²	240		
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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
TOTAL BROUGHT FORWARD					R0.00
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>				
5(LIC)	<u>Rough Formwork to sides:</u> Edges, risers, ends and reveals not exceeding 300mm high or wide (class F2 rough)	m			
	<u>MOVEMENTS JOINTS ETC</u>				
6(LIC)	<u>Expansion joints with bitumen impregnated softboard between vertical concrete and brick surfaces</u> 15mm Joints not exceeding 300mm high	m			
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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
	<u>PLUMBING AND DRAINAGE</u>				
	<u>PREAMBLES</u>				
	For preambles see "Specification of material and methods to be used- PW371"				
(LIC)	<u>PLUMBING</u>				
1	Pan white hibiscus CC	No	2		
2	Pan white hibiscus CC (must be suitable to be used by children)	No	2		
3	Cistern white 9l hibiscus -V comp	No	4		
4	Vaal hibiscus basin white	No	4		
5	Vaal hibiscus basin white (must be suitable to be used by children)	No	2		
6	SS Deb sink 1200 x 460 dominox D/IN	No	1		
7	Toilet seat champagne DPE econ (must be suitable to be used by children)	No	2		
8	Toilet seat champagne DPE econ	No	2		
9	Urinal flat back white shanks	No	2		
10	Flushmaster FJ6000 U/VALVE	No	4		
10	White 1700 x 1700mm bath tub with handles	No	2		
11	Supply and install 100 litres gyser complete with fittings	No	1		
12	Supply and install stainless steel toilet roll holders	No	6		
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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
	<u>ELECTRICAL INSTALLATION</u>				
	<u>Cable sleeves</u>				
	Supply and installation of PVC cabling sleeves as sleeving systems through floor construction, as entry sleeve system to power distribution boards and all other cable services, sleeves to be complete with standard large radius sleeve bends				
1	75mm Diameter	m	100		
	<u>DRAW WIRES</u>				
2(LIC)	Supply and installation of 0.6mm diameter galvanised draw wires in sleeves system runs.	m	106		
	<u>DISTRIBUTION BOARDS</u>				
3	Supply, delivery to site, storage installation of the flush mounted architrave steel type power distribution boards complete with flush trays, doors, switch gear mounting trays, cooper busbars, neutral and earth bars, correctly sized internal PVC wiring, labelling and legend cards	no	1		
	<u>ELECTRICAL WORK</u>				
4(LIC)	Eskom electrical connection	P/Sum	1		
	<u>PREAMBLES</u>				
	For preambles see "Specification of material and methods to be used- PW371"				
5	Surge diverters (20KA)	no	1		
6	10A (5KA) circuit breaker	no	4		
7	20A (5KA) circuit breaker	no	4		
8	60A (5KA) circuit breaker earth leakage	no	1		
9	Approved 16A photo cell	no	1		
10	30A stove circuit braker.	no	1		
11	30A geyser circuit braker.	no	1		
	<u>CABLES, ETC</u>				
12	Rates for cables must include for supply, delivery and installation (excavated for trenches elsewhere measured)				
	<u>PVC/SWA/PVC cables including allowance for slack laid in trenches or sleeves (Excavation elsewhere measured)</u>				
13	10 mm x 2 Core cable	no	11		
	<u>Cable ends including cable glands, terminations, connections, etc</u>				
14	10 mm x 2 Core cable	no	11		
	<u>Bare copper earth wires laid cables in trenches or sleeves</u>				
15(LIC)	10mm Earth wire	m	20		
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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
TOTAL BROUGHT FORWARD					
	CONDUIT				
16	Supply and installation of SABS approved solid black enamelled, solid galvanised or PVC conduits complete with all required conduit accessories. Conduit accessories. Conduits to be cast into concrete or steel surface or fixed inside ceiling spaces on timber work. All tendered rates must make allowances for wastage:				
	Built or chase into brickwork				
17(LIC)	20mm Diameter	m	110		
18(LIC)	25mm Diameter	m	80		
	In ceiling space on timber work				
19(LIC)	20mm Diameter	m	100		
	Flush mounted type:				
20	4 x 2mm lights	no	6		
21	4 x 4mm plugs	no	8		
	PVC WIRING				
	PVC wiring in conduits				
22(LIC)	2.5mm	m	39		
23(LIC)	4mm	m	50		
	LIGHT SWITCHES				
	Supply and installation of SABS approved type 16A flush and surface type lightswitches. Final paint finishes shall be confirmed at a later stage, allowance shall however be made as specified in the general specification. All boxes for flush mounting measured elsewhere.				
24	1 Lever 1 way	no	6		
25	1 Lever 2 way	no	4		
26	2 Lever 2 way	no	1		
27	3 Lever 2 way	no	1		
28	4 Lever 2 way	no	1		
	SOCKET OUTLETS				
	Supply and installation of SABS approved switched and un switched type flush and surface mounted type 16A switchedsockets outlets suitable for mounting in flush steel wall boxes or in steel pedestals units or on surfaces.				
	The final colour of the paint finish shall be confirmed at a later stage, allowances shall be made as specified in the specification.				
	All flush type boxes and specials pedestals measured elsewhere.				
	Flush switched socket type				
29	Double 15 A 3 pin socket outlets.	no	9		
TOTAL CARRIED FORWARD					

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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
TOTAL BROUGHT FORWARD					
	<u>LIGHT FITTINGS</u>				
	Supply, delivery to site, storage and installation of the below specified light fitting complete with lamps or tubes. Allowances must be made in the rates for all the required fixing material and accessories.				
	Fittings to be equal and similar approved to be below quoted manufacturer.				
	<u>Flourescent Fittings:</u>				
30	1.2m Type F2 Fittings- 36 Watt	no	4		
	Double flourescent light fitting 1500mm long complete	no	7		
	<u>Bulkhead fittings</u>				
31	Exterior type flush mounted round bulkhead fitting- 100 Watt	no	5		
	<u>ELECTRICAL TESTS</u>				
	Making provision for the required inspections tests and the commissioning of the complete installation and the issuing of the required certificate.				
32	Building installations		Item		
33	Ceiling mounted light fitting	no	16		
34	Waterproof wall mounted light fitting 2100mm below top of plant box				
35	Single 15 AMP plugpoint	no	5		
36	Single 30 AMP plugpoint	no	9		
		no	1		
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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
	METALWORK				
	PREAMBLES				
	For preambles see "Specification of material and methods to be used- PW371"				
	DOORS and WINDOWS				
	STEEL WINDOWS				
	Standard residential windows				
1	C1 H-Duty window frame NTY	no	6		
2	C2F H/Duty window NTY	no	4		
3	C4F window H/Duty NTY	no	8		
4	C5F QT window frame NTY	no	2		
5	C7 H/D window frame NTY	no	3		
6	Supply and install B Bar flat (20X5) BIC (burglar bars)	no	39		
	PRESSED STEEL DOORS FRAMES				
	1,2MM Rebated frames suitable for one brick walls				
1	MER Door F/L F/B 1613 x 2032	no	1		
2	MER Door F/L F/B 813 x 2032	no	1		
3	Door 1613 x 2032 x 230 1.6 mm NTY	no	1		
4	Steel Door frame 813 x 2032 x 230 1.6mm	no	1		
5	Steel Door frame 1511 x 2032 x 115 3 10R/H & 3L/H	no	13		
6	Door solid 914 x 2032 Masonite	no	2		
7	H/C Mesonite Door 813 x 2032	no	13		
	Supply and install burglar doors as per drawing BM06	no	6		
	IRONMOGERY				
	PREAMBLES				
	For preambles see "Specification of material and methods to be used- PW371"				
	LOCKS				
	"Approved"				
1	DCLSA Naples 2levers lockset SABS	no	18		
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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
(LIC)	ROOF MATERIAL					
	ROOF TRUSSES					
	Roof truss direct /set including:	Sum	1			
	METAL WORK DETAILS					
	Ezibrace(TC) 3.9m	EA	20		incl	
	Ezistrap 10m	Roll	2		incl	
	Mitreplate	EA	60		incl	
	Multigrip	EA	60		incl	
	Cyclone tie 900mm	EA	21		incl	
	40x90 Jst Hanger Nails 3.19KN	EA	5		incl	
	40x90 Jst Hanger Nailed 6.39KN	EA	2		incl	
	40x90 Jst Hanger Bolted 4.5KN	EA	25		incl	
	40x165 Jst Hanger Bolted 9KN	EA	130		incl	
	Limstate 12KN	EA	2		incl	
	Limstate 20KN	EA	1		incl	
	Multigrip Hip Connections	EA	2		incl	
	M12x100mm Bolts	EA	65		incl	
	M12x150mm Bolts	EA	59		incl	
	40x40 Square Washers	EA	110		incl	
	Rink Shank Nails 40mm	kg	7		incl	
	SUNDRR TIMBER					
	38x38 Intermediate ValleyRunner	m	48		incl	
	38x38 Battens	m	1060		incl	
	38x50 Tilting Battens	m	80		incl	
	38x76 Wall Plate	m	90		incl	
	TOTAL CARRIED FORWARD					

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TOTAL BROUGHT FORWARD					
MISCELLANEOUS SUNDRY DETAILS					
	R/Top Vellyiron Galv .450 1.8m	EA	10		incl
	12x225 FC Fascia 3m	EA	24		incl
	H-Profile Joiners 12x225mm	EA	24		incl
	H-Profile C/Joiners 12x225mm	EA	12		incl
	Sisalation	Roll	8		incl
	Nails 75mm	kg	25		incl
	Nails 100mm	kg	14		incl
	Carbolinium	/l	5		incl
ROOF COVERING					
	Concor Double Roman	no	3200		incl
	Concor Tapered Ridge	no	192		incl
	Concor Hip Starters	no	8		incl
	Oxide	no	6		incl
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	<u>CEILINGS, PARTITION AND ACCESS AND FLOORING</u>				
	<u>PREAMBLES</u>				
	For preambles see "Specification of material and methods to be used- PW371"				
	<u>CEILINGS ETC</u>				
	<u>Sawn softwood</u>				
1(LIC)	38 x 114 mm Ceiling joist (Provisional)	m ²	230		
2	Nutec Ceiling 3.6 X 1.2 X 4 mm	no	26		
3(LIC)	Skirting	m ²	230		
	<u>Wrought softwood</u>				
4	19 x 76mm Corrice nailed	no	180		
	<u>NAILED UP CEILING AND SCREWED UP CEILINGS</u>				
	<u>4mm "Everite Nutec" fibre-cement boards with standard H-type pressed steel jointing strips</u>				
5(LIC)	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m ²	250		
6(LIC)	Sloping ceilings including 38 x 38mm sawn softwood brander at 400mm centres.	m ²			
7	Extra over ceiling for opening for 610 x 610mm trap door of 50 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening.	no	4		
	<u>Flooring finishes</u>				
1(LIC)	Supply, and install ceramic Floor tiles	m ²	240		
	TOTAL CARRIED FORWARD TO SECTION SUMMARY				

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>PAINTWORK</u> <u>PREAMBLES</u> For preambles see "Specification of material and methods to be used- PW371" <u>PAINTWORK ETC TO NEW WORK</u> <u>ON FIBRE CEMENT</u> <u>One acrylic filler coat and two coats polyacrylic emulsion paint:</u>				
1(LIC)	On ceilings	m ²	240		
	<u>ON METAL</u> <u>Spot priming defects in pre-primed surfaces with zinc chromate primer and applying one undercoat and two alkyd enamel paint on steel:</u>				
2(LIC)	On door frames	m ²	21		
3(LIC)	On windows	m ²	5		
4(LIC)	On gates, grillers, burglar screen, balustrades etc (both side measured over the full flat area)	m ²	7		
	<u>ON WOOD</u>				
5(LIC)	On doors	m ²	32		
6(LIC)	On skirting, rails etc not exceeding 300mm girth	m	300		
7(LIC)	On the walls in and out	m ²	798		
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	<u>GLAZING</u> <u>PREAMBLES</u> For preambles see "Specification of material and methods to be used- PW371" <u>GLAZING WITH PUTTY</u> <u>4mm Clear float glass</u>				
1(LIC)	Panes exceeding 0.1 m ² and not exceeding 0.5m ²	m ²	30		
	<u>4mm Rough cast glass</u>				
2(LIC)	Panes exceeding 0.1 m ² and not exceeding 0.5m ²	m ²	7		
	TOTAL CARRIED FORWARD TO SECTION SUMMARY				

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Bill No	SECTION SUMMARY	Pg No			Amount
	Building Works				
1	Foundation	2			
2	Super structure	4			
6	Plumbing and drainage	5			
7	Electrical work	8			
8	Metalwork	9			
9	Roof Material	11			
10	Ceiling, Partitioning and access flooring	12			
11	Paintwork	13			
12	Glazing	14			
	Total Building Works				
TOTAL CARRIED FORWARD TO SUMMARY					R0.00