

BLOUBERG LOCAL MUNICIPALITY
 PROJECT NO. BM09/17/18
 CONSTRUCTION OF PURASPAN CRECHE

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISION				
B12.01	Provision for a Community Liaison Officer (a) Provisional sum for the payment and training of the Community Liaison Officer (b) Handling cost and profit in respect of subitem B12.01(a)	Prov Sum %	1 R 14,400.00	14,400	R 14,400.00
B12.02	Provision for cost of attending Steering Committee meetings (a) Provisional sum for the payment of travel cost incurred by Steering Committee members for attending Steering Committee meetings (b) Handling cost and profit in respect of subitem B12.02(a)	Prov Sum %	1 4,000	4,000	R 4,000.00
B12.03	Construction nameboard (a) Provide and Install construction works nameboard (b) Handling cost and profit in respect of subitem B12.03(a)	No %	1		
B12.04	Labourers (a) Skilled (b) Semi-skilled (c) Unskilled (d) Handling cost and profit in respect of subitem B12.04 (a) & (b)	Prov Sum Prov Sum Prov Sum %	1 1 1 200000	96,000.0 14,400.0 89,600.0	R 96,000.00 R 14,400.00 R 89,600.00
B12.05	(a) Provision for closing ceremony including name plaque. (b) Handling cost and profit in respect of subitem B12.05 (a)	Prov Sum %	1 R 20,000.00	20,000.0	R 20,000.00
B12.05	(a) Provision for Geotechnical Investigation (b) Handling cost and profit in respect of subitem B12.05 (a)	Prov Sum %	1 R 16,970.00	16,970.0	R 16,970.00
B12.05	(a) Provision for Environmental Impact Assessment, (b) Handling cost and profit in respect of subitem B12.05 (a)	Prov Sum %	1 R 95,000.00	95,000.0	R 95,000.00
TOTAL CARRIED FORWARD TO SUMMARY					

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS				
B13.01	The Contractor's general obligations:				
	(a) Fixed obligations	L/Sum	1		
	(b) Value-related obligations	L/Sum	1		
	(c) Time-related obligations	Month	4		
	NOTE: The combined total tendered for subitems B13.01 (a), (b) and (c) shall not exceed 15% of the Tender Sum, (excluding VAT).				
B13.02	Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Prov Sum	1	5,000.0	R 5,000.00
B13.03	Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations.	Prov Sum	1	5,000.00	R 5,000.00
B13.04	Submission of the Health and Safety File	Prov Sum	1	5,000.00	R 5,000.00
B13.05	Handling for item B13.02:03&04	%	R 15,000.00		
B13.06	Supply PPE clothing for labourers	No	15		
B13.07	Conduct medical tests for labourers	No	15		
B13.08	Provision for a safety representative	Month	4	2,600	R 10,400.00
B13.09	Office and laboratory accommodation:				
	(a) Furnished temporary offices	m ²	5		
	(b) Temporary Ablution units	m ²	1		
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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
AB003	INSTALLATION OF BOREHOLES, PUMP & TANKS				
1	DRILLING BOREHOLE				
1.1	Water siting and drilling of the borehole up to 120m deep	Prov Sum	1	120,000.00	R120,000.00
1.2	Fully equip the borehole, install steel casing and submersible pump (including electrical connections and panel). (Provide geohydrological report to the Client before equipping the borehole)	Prov Sum	1	40,000.00	R40,000.00
2	PVC STORAGE TANK INSTALLATIONS				
2.1	WATER TANK AND ELEVATED STEEL STAND				
	Supply, install the elevated tank and all sundries and fittings scheduled on drawing BM004/12/13/T05 and T06 :	Sum	1		
2.2	Supply and install a 10000 liters plastic tank	No	1		
2.3	Supply and install Pressure Pump with fittings	No	1		
2.4	Connection to the community water pipeline as approved by the Client	Sum			Rate Only
TOTAL CARRIED FORWARD TO SUMMARY					R160,000.00

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BUILDING WORKS				
	FOUNDATION				
	PREAMBLES For preambles see "Specifications of material and methods to be used - PW371"				
	SUPPLEMENTRY PREAMBLES				
1(LIC)	Site clearance Removing rubbish, debris, vegetation, hedges, shrubs, digging up and grub large trees not exceeding 200mm girth, bush etc				
	EXCAVATION, FILLING ETC				
	Excavation in earth not exceeding 2m deep	m ²	250		
2(LIC)	Trenches				
	Extra overw trench and hole excavation in earth for excavation in:	m ³	65		
3(LIC)	Soft rock				
4(LIC)	Hard rock	m ³	5		
	Keeping excavations free of water	m ³	5		
5(LIC)	Keeping excavation free of all water other than subterranean water				
	Prescribed density test on filling	m ³	65		
6(LIC)	"Modified AASHTO Density" test				
	COMPACTION				
7(LIC)	To bottom and sides of trenches etc	no	4		
	SOIL POISONING				
8(LIC)	Underfloors etc including forming and poisoning shallow furrow against foundation wall etc, filling in furrows and ramming	m ²	100		
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACED				
1(LIC)	Blinding layer - 75mm thick (20 Mpa)	m ²	240		
	25MPa 18mm concrete	m ³	6		
2(LIC)	Concrete Strip footings (660 x 230)	m ³	15		
	BRICKWORK IN FOUNDATION				
3(LIC)	Brickworks				
	COMPACTION				
1(LIC)	Compaction of the surface bed	m ²	90		
2(LIC)	250 Micro Concol plastic gunplas USB GREEN (Water proof membrane sealed at laps by gunplas pressure	m ²	240		
	TOTAL CARRIED FORWARD	m ²	230		

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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
TOTAL BROUGHT FORWARD					
REINFORCEMENT					
1(LC)	a) Mesh Ref 193				
	<u>25MPa/19mm concrete</u>	m ²	230		
1(LC)	Cast in slab mass concrete				
2(LC)	Apron on slab	m ³	25		
		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
	SUPERSTRUCTURE				
	BRICKWORK (NFP)				
	Brickwork of NFP bricks in class II mortar				
1(LC)	4 x 110 x 110 mm brickwork with 10 mm mortar between brickwork.				
2(LC)	External wall(double wall)	m ²	0		
3(LC)	Internal walls(single wall)	m ²	234		
	WATER PROOFING				
	For preambles see "Specifications of material and methods to be used - PW371"				
	DAMP-PROOFING OF WALLS AND FLOORS				
	One layer of 375 micro "Consol plastics Brikzrip DPC" embossed damp proof course in walls				
1(LC)	PVC damp course 114 SABS Black	no	2		
2(LC)	PVC damp course 229 SABS Black	no	3		
	BRICKWORK SUNDRIES				
	Brickwork reinforcement				
1(LC)	Brick force 2.8X75mm 20MT SABS	no	45		
2(LC)	Brick force 2.8 X 150mm 20M SABS	no	65		
3(LC)	115mm Wide reinforcement built in horizontally (internal)	m	2000		
4(LC)	150mm Wide reinforcement built in horizontally (external)	m	2000		
5(LC)	10mm Expansion joint around the perimeter filled by treated bitumen impregnated softboard	m	200		
6(LC)	100mm steel float concrete surface bed casted on bays of not more than 3000mm.	m ²	240		
	BRICKWORK				
1(LC)	Windows sills sloping and slightly projecting outside	m	65		
2(LC)	Brick lintels	m	22		
	Masonry Plastering				
3(LC)	Mortar for plastering(internal & external for the whole building)	m ²	798		
	CONCRETE IN SUNDRIES				
	Finishing top surface of concrete rough with a wood float				
4(LC)	Surface beds, slabs, etc to falls	m ²	240		
	TOTAL CARRIED FORWARD				

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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(UC)	<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>				
	<u>Expansion joints with bitumen impregnated softboard between vertical concrete and brick surfaces</u>				
6(UC)	15mm Joints not exceeding 300mm high	m			
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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
	PLUMBING AND DRAINAGE				
	PREAMBLES				
	For preambles see "Specification of material and methods to be used- PW371"				
(LC)	PLUMBING				
1	Pan white hibiscus CC	No	2		
2	Pan white hibiscus CC (must be suitable to be used by children)	No	2		
3	Cistem 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 DIN	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 LI/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
	ELECTRICAL INSTALLATION				
	<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				
	<u>DRAW WIRES</u> Supply and installation of 0.6mm diameter galvanised draw wires in sleeves system runs.	m	100		
2(LC)					
	<u>DISTRIBUTION BOARDS</u> 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	m	106		
3					
	<u>ELECTRICAL WORK</u> Eskom electrical connection	no	1		
4(LC)					
	<u>PREAMBLES</u> For preambles see "Specification of material and methods to be used- PW371"	P/Sum	1		
5	Surge diverters (20KA)				
6	10A (SKA) circuit breaker	no	1		
7	20A (SKA) circuit breaker	no	4		
8	60A (SKA) circuit breaker earth leakage	no	4		
9	Approved 16A photo cell	no	1		
10	30A stove circuit breaker.	no	1		
11	30A geyser circuit breaker.	no	1		
	<u>CABLES, ETC</u> Rates for cables must include for supply, delivery and installation (excavated for trenches elsewhere measured)	no	1		
12					
	<u>PVC/SWA/PVC cables including allowance for slack laid in trenches or sleeves</u> (Excavation elsewhere measured)				
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(LC)	10mm Earth wire	m	20		
	TOTAL CARRIED FORWARD				

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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
TOTAL BROUGHT FORWARD					
16	CONDUIT 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:				
	<u>Built or chase into brickwork</u>				
17(LC)	20mm Diameter				
18(LC)	25mm Diameter	m	110		
	<u>In ceiling space on timber work</u>	m	80		
19(LC)	20mm Diameter	m	100		
	<u>Flush mounted type:</u>				
20	4 x 2mm lights				
21	4 x 4mm plugs	no	6		
	PVC WIRING				
	<u>PVC wiring in conduits</u>				
22(LC)	2.5mm	m	39		
23(LC)	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				
25	1 Lever 2 way	no	6		
26	2 Lever 2 way	no	4		
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 pedestall 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.				
	<u>Flush switched socket type</u>				
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					
LIGHT FITTINGS					
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.					
Flourescent Fittings:					
30	1.2m Type F2 Fittings- 36 Watt	no	4		
	Double flourescent light fitting 1500mm long complete	no	7		
31	Bulkhead fittings: Exterior type flush mounted round bulkhead fitting- 100 Watt	no	5		
ELECTRICAL TESTS					
Making provision for the required inspections tests and the commissioning of the complete installation and the issuing of the required certificate.					
32	Building installations				
33	Ceiling mounted light fitting		Item		
34	Waterproof wall mounted light fitting 2100mm below top of plant box	no	16		
35	Single 15 AMP plugpoint	no	5		
36	Single 30 AMP plugpoint	no	9		
		no	1		
TOTAL CARRIED FORWARD TO SECTION SUMMARY					

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ITEM NO.	DESCRIPTION	UNIT	QTY	Rate	Amount
	METALWORK				
	PREAMBLES				
	For preambles see "Specification of material and methods to be used- FW371"				
	DOORS and WINDOWS				
	STEEL WINDOWS				
	<u>Standard residential windows</u>				
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				
	<u>1.2MM Rebated frames suitable for one brick walls</u>				
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 10RH & 3LH	no	13		
6	Door solid 914 x 2032 Masonite	no	2		
7	HVC 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				
	<u>"Approved"</u>				
1	DCLSA Naples 2levers lockset SABS	no	18		
TOTAL CARRIED TO SECTION SUMMARY					

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
(JC)	ROOF MATERIAL					
	ROOF TRUSSES					
	Roof truss direct /set including:	Sum	1			
	METAL WORK DETAILS					
	Ezbrace(TC) 3.9m	EA	20		incl	
	Ezstrap 10m	EA	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	EA	7		incl	
	SUNDRY TIMBER					
	38x38 Intermediate ValleyRunner	m	48		incl	
	38x38 Battens	m	1060		incl	
	38x50 Tilling Battens	m	80		incl	
	38x76 Wall Plate	m	90		incl	
	TOTAL CARRIED FORWARD					

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD					
MISCELLANEOUS SUNDRY DETAILS					
	R/Top Valley/iron 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	EA	12		incl
	Nails 75mm	Roll	8		incl
	Nails 100mm	kg	25		incl
	Carbolinium	kg	14		incl
		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
TOTAL CARRIED FORWARD TO SECTION SUMMARY					

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
CEILINGS, PARTITION AND ACCESS AND FLOORING					
PREAMBLES					
For preambles see "Specification of material and methods to be used- PW371"					
CEILINGS ETC					
Sawn softwood					
1(L/C)	38 x 114 mm Ceiling joist (Provisional)				
2	Nutec Ceiling 3.6 X 1.2 X 4 mm				
3(L/C)	Skirting	m ²	230		
		no	26		
4	Wrought softwood 19 x 76mm Cornice nailed	m ²	230		
		no	180		
NAILED UP CEILING AND SCREWED UP CEILINGS					
4mm "Everite Nutec" fibre-cement boards with standard H-type pressed steel jointing strips					
5(L/C)	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres				
6(L/C)	Sloping ceilings including 38 x 38mm sawn softwood brandering at 400mm centres.	m ²	250		
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.	m ²			
Flooring finishes					
1(L/C)	Supply, and install ceramic Floor tiles	no	4		
		m ²	240		
TOTAL CARRIED FORWARD TO SECTION SUMMARY					

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	PAINTWORK				
	PREAMBLES				
	For preambles see "Specification of material and methods to be used- PW371"				
	PAINTWORK ETC TO NEW WORK				
	ON FIBRE CEMENT				
	One acrylic filler coat and two coats polyacrylic emulsion paint:				
1(LC)	On ceilings	m ²	240		
	ON METAL				
	Spot priming defects in pre-primed surfaces with zinc chromate primer and applying one undercoat and two alkyl enamel paint on steel:				
2(LC)	On door frames	m ²	21		
3(LC)	On windows	m ²	5		
4(LC)	On gates, grilles, burglar screen, balustrades etc (both side measured over the full flat area)	m ²	7		
	ON WOOD				
5(LC)	On doors	m ²	32		
6(LC)	On skirting, rails etc not exceeding 300mm girth	m	300		
7(LC)	On the walls in and out	m ²	798		
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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<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				
	Building Works	Pg No			Amount
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

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
AB006	FURNITURE				
1	OFFICE EQUIPMENTS (should be tables and chairs that are suitable for manager's office as per client demands)				
	Chairs	No	10		
	Tables (with drawers)	No	4		
	Steel cupboards	No	3		
	210 litres KIC chest freezer	No	1		
	170 litres KIC or more refrigerator	No	1		
	Kitchen Built-in cupboard complete as per layout	Sum	1		
	Four plate Defy stove	No.	1		
2	CHILDREN FURNITURE				
	Chairs	No	65		
	Tables	No	40		
	Educational Charts	No	15		
	Toys	Sum	1		
	Green and black boards	No	2		
	Waterproof sleeping mattresses	No	30		
	Children wooden Cupboards 3.5m X 1.2wirth pegeon holes On each side of the lobby	No	2		
3	Supply and install 4.5kg dry powder fire extinguishers(as per the drawing)	No	2		
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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
AB005	INSTALLATION OF JUNGLE GYM				
1	Play Ground				
(LIC)	Platform preparation as specified on drg BM003/12/13/P01				
1	Earthworks				
1.1	Cut to spoil 150mm deep and compact to 93% MODAASHTO Density	m ³	60		
1.2	75mm Blinding	m ²	35		
1.3	110 brickwork	m ³	18		
1.4	250mm ramp around the playground platform	m ²	9		
1.5	Fill the play ground with Imported white sand or similiar quality.	m ³	2		
		m ³	3375		
(LIC)	Supply, install the complete Wooden Jungle Gym as per client requirements and all sundries and fittings :				
	Sum		1		
TOTAL CARRIED FORWARD TO SUMMARY					R0.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	FENCING				
AB002	WELDED MESH FENCE				
B1.01(LIC)	Supply to erect the fence with all sundries as details specified in drawing (BM03/12/13-T02) including concrete 25 MPa.	m	200		
1	Posts: 2800x100 dia.x3mm mild steel tubing with steel cap, base plate and fully galvanised.	No	20		
2	Stays: 3050x75 dia. x3mm mild steel tubing with steel cap, base plate and fully galvanised	No	40		
3	Standards: 2600x2.5kg/m "Y" section complete with holes at 50mm centres fully galvanised.	No	48		
4	Cross Brace Support: 2400x50 dia.x3mm mild steel tubing bent and flattened and fully galvanised	No	6		
5	Gate : 42 dia.x2mm mild steel tubing frame with 21.4dia. X2mm mild steel tube bracing , complete with hinges, washers, bolts, lochain with padlock attached to gate.				
5.1	Main Gate : 5 m wide	No	1		
5.2	Pedestrian gate : 1.5 m wide	No	1		
6	Welded Mesh: 100X50X2.5mm dia. (1800mm height) Fully galvanised	m	194		
7	Barbed Wire : 3.5X2.5mm Oval high tensile grade single strand fully galvanised.	m	850		
8	Smooth Wire: 3.0mm dia. High tensile grade fully galvanised	m	1,200		
9	Tying wire:				
9.1	2.5 dia. Mild steel fully galvanised for tying to standards	m			
9.2	1.6 mmdia. For tying mesh to smooth wires	m			
10	Straining wire: 4mm dia. Steel fully galvanised	m			
11	Bolts for stays : 12 mm dia. Mild steel includes nuts and washers , fully galvanised.	No	16		
12	Concrete : minimum concrete strength of 20 Mpa at 28 days .	m ³	22		
	TOTAL CARRIED TO SUMMARY				

BLOUBERG LOCAL MUNICIPALITY
 PROJECT NO. BM09/17/18
 CONSTRUCTION OF PURASPAN CRECHE

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
AB004	SEPTIC TANKS				
1	EARTHWORKS : SEPTIC TANK				
1.1(LC)	Excavation (measured 0,5m beyond wall perimeter with 1:1,5 side slopes and 0,55m below structure invert level) and use for backfill at 90% MOD AASHTO density, around septic tank or dispose of, as ordered within 0,5km freehaul distance of septic tank site	m ³	35		
1.2	<u>Extra over item 12.1.1 for</u>				
(LC)	a) Intermediate material	m ³	25		
(LC)	b) Hard rock excavation	m ³	10		
2	EARTHWORKS : PIPE TRENCHES				
2.1(LC)	Excavate in all materials for trenches, backfill and compact, including disposal of surplus or unsuitable material for septic tank disposal drains				
3	CONCRETE WORK				
3.1	Formwork	m ²	105		
3.2(LC)	Smooth off shutter horizontal, Floor slab	m ²			
3.3(LC)	Smooth off shutter horizontal, underside roof slab	m ²			
3.4(LC)	Boxed-out openings all as per drawing	m ²	2		
3.5	Concrete	no	2		
(LC)	a) Binding layer - 50mm thick in prescribed mix 15 mpa concrete below septic tank				
(LC)	b) Strength mix 25/19 concrete in septic tank floor, walls and roof	m ²	1		
4	BUILDING WORK				
	Brickwork				
(LC)	a) 200mm brickwork with type FBS bricks both sides in manhole walls	m ²	3		
(LC)	b) 115mm brickwork	m ²	25		
	c) Mortar for plastering(internal)	m ²	4		
	d) Apply epoxy paint (internal)	m ²	38		
5	PIPE LAYING				
	Supply, lay, joint and test 110DN corrugated radial rib profile, drainage & sewer pipe:				
(LC)	a) 200mm dia. Sewer pipe & manholes	m	38		
5	VIP TOILET				
6(LC)	Pit latrine toilet as indicated on dra	m	100		
5.1	Digging of Pit	sum	1		
	150mm concrete for foundation	m ²	8		
5.2	Brickwork	m ²	2		
5.2.1	Pit lining with 220mm brickwork	m ²	15		
5.2.2	220mm Superstructure Brickwork	m ²	18		
5.2.3	1. 5m T- shaped wall in front complete with 350mm deep foundation				
5.3	Steel window frame SD1 as per drawing with 2mm glazing	m ²	5		
5.4	Plastering inside and outside	No	2		
5.5	Roofing	m ²	46		
5.5.1	Supply and install roof pine wall plate				
5.5.2	10 gauge wire ties secured under three course of bricks	m	7		
5.5.3	Supply and install 0.6mm galvanised corrugated iron sheet fixed with 12 screws per sheet	m	5		
5.6	Supply and install door steel frames with solid wooden door with locking system	m ²	7		
5.7	Supply and install ventilation pipes of 2.3m height	No	2		
5.8	Supply and install Plastic Pot	No	2		
5.9	Painting	No	2		
5.9.1	Apply one merit undercoat (colour to be decided on site)	m ²	46		
5.9.2	Apply two coats Plascon polvin (colour to be decided on site)	m ²	46		
TOTAL CARRIED FORWARD TO SUMMARY					

SUMMARY OF BILL OF QUANTITIES

ITEM	DESCRIPTION	AMOUNTS
1	GENERAL REQUIREMENTS AND PROVISION	
2	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS	
3	BUILDING WORKS	
4	FURNITURE	
5	FENCING	
6	SEPTIC TANKS	
7	INSTALLATION OF BOREHOLES, PUMP & TANKS	
8	INSTALLATION OF JUNGLE GYM	
	TENDER (CONTRACT) SUM	
	2) CONTINGENCIES (5%) (This amount is under the sole control of the Engineer)	
	SUBTOTAL	
	ADD 14% VAT	
	TENDER (CONTRACT) PRICE CARRIED TO FORM OF OFFER OF ACCEPTANCE	

Note: Tender Sum is the value of the offered total of the prices exclusive of VAT, contingencies, CPA and special materials but including contractual variations.