

SECTION 1: PRELIMINARY & GENERAL

Item No	Ref	Description	Unit	Quantity	Rate	Amount
1	SANS 1200	PRELIMINARY AND GENERAL				
1.1	3	Materials				
1.2	8.3	<u>Scheduled Fixed-Charge and Value-Related Items</u>				
1.2.1	8.3.1	Contractual Requirements	Sum	1	R	- R -
		<u>Provision for the site facilities:</u>				
1.2.2	8.3.2.1	a) Facilities for the Engineer	Sum	1	R	- R -
1.2.3	8.3.2.2	b) Facilities for the Contractor	Sum	1	R	- R -
1.2.4	8.3.3	General responsibilities and other fixed charge obligations	Sum	1	R	- R -
1.2.5	8.3.4	Removal of site establishment on completion	Sum	1	R	- R -
1.2.6	PSAA2	Compliance with the OHS Act regulations	Sum	1	R	- R -
1.2.7	PSAA3	Allowance for Health and Safety Officer	Sum	1	R	- R -
1.3	8.4	SCHEDULED TIME-RELATED ITEMS				
1.3.1	8.4.1	Contractual requirements	Sum	1	R	- R -
1.3.2	8.4.2	Occupation and maintenance of the site facilities	Sum	1	R	- R -
1.3.3	8.4.2.1	a) Facilities required by the Engineer	Sum	1	R	- R -
1.3.4	8.4.2.2	b) Facilities required by the Contractor	Sum	1	R	- R -
1.3.5	8.4.2.3	General responsibilities and other time related obligations	Sum	1	R	- R -
1.4		SUMS STATED PROVISIONALLY BY THE ENGINEER				
1.4.1	PSAA4	Additional Tests required by engineer	Prov. Sum	1	R	- R -
		<u>COMMUNITY LIASON OFFICER</u>				
1.4.2	PSAA5	Employment of CLO for the duration of the Contract	Prov. Sum	1	R	- R -
1.4.3		Contractors markup on the above	%	R	-	10% R -
1.4.4	PSAA5	Allow for Airtime to the Engineers site Personnel for the duration of the Contract	Prov. Sum	1	R	- R -
1.4.5		Percentage adjustment to Engineer's Site Representatives above.	%	R	-	10% R -
1.4.6	PSAA 10	Employment of PSC for the duration of the contract (5No at R150pm each)	Prov. Sum	1	R	- R -
1.4.7		Contractors markup on the above	%	R	-	10% R -
1.4.8	PSAA 11	Allow for ground water source development	Prov. Sum	1	R	- R -
1.4.9		Percentage for ground water source development above	%	R	-	10% R -
1.4.10		pump station, electrical connection, air valves, scour valves, non return valves				
1.4.11	PSAA 12	Allow for 3 Phase Power supply from Eskom	Prov. Sum	1	R	- R -
1.4.12		Percentage for 3 Phase electric power supply	%	R	-	10% R -
1.4.13	PSAA 13	Allow for training of local labour by an accredited agent	Prov. Sum	1	R	- R -
1.4.14		Percentage adjustment accredited training	%	R	-	10% R -
1.4.15	PSAA 14	Allow experiential for Civil Engineering Students (No. 2)	Prov. Sum	1	R	- R -
1.4.16		Percentage adjustment for Civil Engineering Student	%	R	-	10% R -
1.4.17	PSAA 15	Allowance for services of an Occupational Health and Safety Agent for the duration of the Contract	Prov. Sum	1	R	- R -
1.4.18		Percentage for Health and Safety Agent	%	R	-	10% R -
1.5	8.7	<u>Dayworks</u>				
1.5.1		Foreman	hr	170	R	- R -
1.5.2		Skilled	hr	65	R	- R -
1.5.3		Semi-skilled	hr	50	R	- R -
1.5.4		Unskilled	hr	35	R	- R -
Total Carried Forward To Summary						R -

MHLONTLO LOCAL MUNICIPALITY

SECTION 2 - COMMUNITY HALL

NTIBANE FARM PRE-SCHOOL

Item No	Description	Unit	Quantity	Rate	Amount
1	BILL NO. 1 EARTHWORKS				
	SITE CLEARANCE ETC				
	Site clearance				
1,1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	804,16		R -
	BULK EXCAVATION, FILLING, ETC				
	Excavation in earth not exceeding 2m deep				
1,2	In bulk excavation	m3	18,22		R - R -
	Extra over all excavations for carting away				
1,3	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m3	3,73		R -
	Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density				
1,4	G5 Filling	m3	5,70		R - R -
	EXCAVATION, FILLING, ETC				
	Excavation in earth not exceeding 2m deep				
1,5	Trenches	m3	20,84		R -
1,5	Columns	m3	1,30		R -
	Risk of collapse of excavations				
1,6	Sides of trench and hole excavations not exceeding 1.5m deep	m2	138,96		R -
	Keeping excavations free of water				
1,7	Keeping excavations free of water	Item	1,00		R -
	G6 filling obtained from stockpiles on-site compacted to 95% Mod AASHTO density				
1,8	Filling to trenches, holes, etc.	m3	7,80		R -
1,9	Under surface beds, etc	m3	4,60		R -
	Compaction of surfaces				
1,10	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	70,78		R -
	Prescribed density tests on filling				
1,11	Modified AASHTO Density test	No	10,00		R -
	SOIL POISONING				
	Soil insecticide				
1,12	On sides of trench excavations	m2	115,20		R - R -
1,13	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	34,74		R -
	CARRIED TO SUMMARY PAGE				R -
2	BILL NO. 2 CONCRETE, FORMWORK AND REINFORCEMENT				
	CONCRETE, FORMWORK AND REINFORCEMENT				
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete.:				
2,1	Strip footings	m3	42,84		R -

	REINFORCED CONCRETE				
	25MPa/19mm concrete				
2,2	Surface beds cast in panels on waterproofing	m3	47,85	R	-
2,3	Apron Slabs	m3	39,83	R	-
2,4	Ramps	m3	6,44	R	-
2,5	Columns	m3	5,19	R	-
2,6	Flat Roof	m3	8,70	R	-
	TEST BLOCKS				
	Test blocks				
2,7	Making and testing 150 x 150 x 150mm concrete strength test cube	Sets	10,00	R	-
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
2,8	Surface beds, slabs, etc to falls	m2	804,16	R	-
	FORMWORK				
2,9	To Sides of Apron Slab	m	132,96	R	-
2,10	To Sides of ramp	m2	21,47	R	-
2,11	Columns (Smooth)	m2	12,96	R	-
	REINFORCEMENT (PROVISIONAL)				
	High tensile steel reinforcement to structural concrete work in all diameters				
2,12	Strip footings	t	4,90	R	-
	Fabric reinforcement				
2,13	Mesh Ref 311 fabric reinforcement	m2	710,60	R	-
	CARRIED TO SUMMARY PAGE			R	-
3	BILL NO. 3 MASONRY				
	MASONRY				
	BRICKWORK				
	FOUNDATIONS				
	Brickwork of "NFX" bricks (14 MPa nominal compressive strength) in class I mortar				
3,1	110mm Half brick walls	m2	19,66	R	-
3,2	220mm One brick walls in foundations	m2	33,66	R	-
	SUPERSTRUCTURE				
	Brickwork of "NFP" burnt clay bricks (7MPa nominal compressive strength) in Class II mortar				
3,3	110mm Half brick walls	m2	106,93	R	-
3,4	220mm One brick walls	m2	1 946,66	R	-
3,5	220mm One brick walls in beamfilling	m2	107,94	R	-
	BRICKWORK SUNDRIES				
	Brickwork reinforcement 2.80mm thick				
3,6	75mm Wide reinforcement built in horizontally	m	356,45	R	-
3,7	150mm Wide reinforcement built in horizontally	m	1 042,20	R	-
	Stresso or similar pre-stressed fabricated lintels				
3,8	110 x 75mm Lintels in lengths not exceeding 3m	m	40,50	R	-

	Galvanised wire ties, etc					
3,9	4mm Diameter double strand galvanised roof anchor built in 500mm minimum	No	1 500,00		R	-
	FACE BRICKWORK					
	Approved FBS face bricks in stretcher bond (P.C Sum R??/1000 bricks) jointed in Class I mortar and pointed with recessed vertical and recessed horizontal joints					
3,10	Extra over brickwork in NFP bricks for face brickwork	m2	510,00		R	-
3,11	Extra over brickwork for brick-on-edge header course lintel pointed on face and 110mm soffit	m	107,80		R	-
3,12	220mm Wide sills set sloping and slightly projecting	m	20,70		R	-
	CARRIED TO SUMMARY PAGE				R	-
	BILL NO. 4 WATERPROOFING					
	WATERPROOFING					
	DAMP-PROOFING OF WALLS AND FLOORS					
	One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course					
4,1	In walls	m2	995,88		R	-
	Totch on membrane waterproofing					
4,2	Flat Roof	m2	56,70		R	-
	One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"					
4,3	Under surface beds	m2	710,60		R	-
	CARRIED TO SUMMARY PAGE				R	-
5	BILL NO. 5 ROOF COVERINGS, ETC					
	ROOF COVERINGS, ETC					
	PROFILED METAL SHEETING AND ACCESSORIES					
	Chromadek IBR Roof Sheeting interlocking roof sheeting, fixed to timber purlins at 1000 mm centres using using, roof flashing and accessories, all in accordance with manufacturers recommendations					
5,1	Roof covering with pitch not exceeding 30 degrees	m2	886,00		R	-
5,2	Ridge capping 462mm girth three times bend along girth	m	35,90		R	-
	ROOF AND WALL INSULATION					
	Aerolite Glasswool 50mm insulation					
5,3	Insulation laid horizontal on top of timber rafters (at maximum 1200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires as per manufacturer's recommendation	m2	804,16		R	-
	CARRIED TO SUMMARY PAGE				R	-
6	BILL NO. 6 CARPENTRY AND JOINERY					
	Joinery					
	Fixing					
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete					
	ROOFS ETC					
6,1	Roof construction for flat roofs approximately +/-78 m² overall on Walkways	No	1,00		R	-
	EAVES, VERGES, ETC					
	High density plain fibre-cement fascias					
6,2	220 x 15mm Thick fascia and barge boards, including aluminium H-profile joiners	m	132,96		R	-
	DOORS ETC					
	Hollow core internal door					

6,3	2032 x 830mm	No	4,00	R	-
	COUNTER TOPS				
	As per clients approval				
6,4	Kitchen counter tops as per the drawings	sum	1,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
7	BILL NO. 7 CEILINGS, PARTITIONS AND ACCESS FLOORING				
	CEILINGS, PARTITIONS AND ACCESS FLOORING				
	NAILED UP CEILINGS				
	4mm "Everite Nutec" fibre-cement ceiling boards fixed with 32mm galvanised clout nails at 150mm centres and 25x3.5mm dry wood screws at 600mm centres for additional support with pre-painted H-type pressed steel jointing strips all in strict accordance with the manufacturer's specifications				
7,1	Ceilings including 38 x 38mm sawn softwood brandlering at 400mm centres fixed to timber rafters	m2	710,60	R	-
7,2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush with opening	No	3,00	R	-
	CORNICE				
	NMC decorative mouldings nomastyl A2 extruded styrene cornice plugged to wall in accordance to manufacturers specifications				
7,3	75mm Coved Cornice	m	148,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
8	BILL NO. 8 IRONMONGERY				
	IRONMONGERY				
	HINGES, BOLTS, ETC				
8,1	102 x 75 x 3mm Dorma DBB-SS-009 stainless steel two ball bearing hinge.	No	24,00	R	-
8,2	WC Indicator bolt	No	Rate Only	R	-
	LOCKS				
8,3	Three lever lockset	No	4,00	R	-
	CATCHES, CABIN HOOKS, ETC				
8,4	Floor Mounted Door Holder (Satin Chrome on Brass) code: 401	No	18,00	R	-
	PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC				
	Parrot Pinningboards				
8,5	Wall mounted carpet pinning board, overall size 1000 x 1200mm high, complete with aluminium frame, fixing components and secured to brickwork	No	2,00	R	-
	SIGNS				
8,6	Signs	sum	1,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
9	BILL NO. 9 METALWORK				
	METALWORK				
	Finishes				
	Final product shall be free from all sharp edges.				
	PRESSED STEEL DOOR FRAMES WITH FACTORY APPLIED RED OXIDE COATING				
	1,2mm Double rebated frames suitable for half brick walls including 2 x 100mm loose pin hinges and adjustable chrome striking plate				
9,1	Frame for door 813 x 2032mm high (D3)	No	4,00	R	-
	ALUMINIUM WINDOWS, DOORS, ETC				

9,2	Window size 900 x 2000mm high W1	No	6,00	R	-
9,3	Window size 900 x 2000mm high W5	No	6,00	R	-
9,4	Window size 500 x 900mm high W2	No	8,00	R	-
9,5	Standard Double Door 1800 x 2000 high D1	No	3,00	R	-
9,6	Standard Double Door 1800 x 2000 high D2	No	4,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
10	BILL NO. 10 PLASTERING				
	PLASTERING				
	INTERNAL PLASTER				
	One coat cement plaster on brickwork				
10,1	On walls	m2	1 250,64	R	-
10,2	On narrow widths	m2	23,48	R	-
10,3	Verandah	m2	22,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
11	BILL NO. 11 TILING				
	TILING				
	Grouting joints				
	Joints to be 3mm width in floor tiles and 4mm width in wall tiles				
	WALL TILES				
	Wall tiles with 6mm joints continuous in both directions with TAL adhesive (PC Sum R100.00/m²), including all cutting and waste				
11,1	On walls	m2	64,80	R	-
11,2	On Splashbacks	m2	Rate Only	R	-
	FLOOR TILING				
	Non -slip Porcelain floor tiles with 6mm joints continuous in both directions with TAL adhesive (PC Sum R200.00/m²), including all cutting and waste				
11,3	On Floors	m2	710,60	R	-
11,4	85mm Skirting	m	147,41	R	-
	CORNER PROTECTORS, DIVIDING STRIPS, ETC				
	M-Trim				
11,5	Aluminium straight edge trim ASE080	m	36,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
12	BILL NO. 12 PLUMBING & DRAINAGE (PROVISIONAL)				
	PLUMBING				
	DRAINAGE				
	SOIL DRAINAGE				
	Rigid PVC Socketed Soil Piping (SABS 791) With Bedding And Filling As Laid Out In SABS 1200 LB - Bedding Flexible Pipes, Backfilling With Excavated Material				
12,1	160mm Pipes laid in and including trenches not exceeding 1m deep	m	30,00	R	-
1,2	160mm Pipes laid in and including trenches exceeding 1m not exceeding 2m deep	m	Rate only	R	-
12,3	160mm Pipes vertically or ramped to cleaning eyes, etc (no excavation)	m	20,00	R	-
12,4	160mm Diameter piping fixed to duct walls	m	15,00	R	-

	Extra over uPVC class 34 pipes for fittings				
12,5	160mm Access bend	No	10,00	R	-
12,6	160mm Junction	No	6,00	R	-
12,7	110mm Access junction	No	7,00	R	-
	uPVC rodding eyes				
12,8	110mm x 45 Degree uPVC cleaning eye with and including 300 x 300mm 25MPa concrete surround	No	3,00	R	-
	Sumps, gullies, catchpits inspection chambers, etc. (gratings and covers elsewhere)				
12,9	110mm PVC gully not exceeding 750mm deep with grid and concrete gully top 410 x 420 x 155mm high complete	No	6,00	R	-
	Sundries				
12,10	Cutting into existing 160mm uPVC line for connecting 110mm diameter uPVC pipes	No	12,00	R	-
12,11	Squire profile alluminium gutters	No	73,80	R	-
12,12	Squire profile alluminium Downpipes	M	16,00	R	-
12,13	Testing soil drainage system	No	1,00	R	-
12,14	Squire profile alluminium gutters				
12,15	Squire profile alluminium Downpipes				
	SANITARY FITTINGS				
	Note: The contractor to allow in his pricing for supply and installation of all sanitary fittings, short lengths of piping, consumables etc. except for free issue items, the contractor must only allow for complete installation				
	Supply and install				
	GEYSER				
12,16	Kwikot DSG-100-5 400KPA Geyser (100L)	No	1,00	R	-
	WASTE UNIONS ETC.				
	Waste Connections				
	NOTE: Waste connections to all fixtures shall include all the gratings with plug and chain, washers, gaskets, back nuts, specified traps, connection pipe lengths and rubber bungs where needed.				
	Cobra				
12,17	Chrome plated anti-theft basin waste plug (Code: 309-32)	No	2,00	R	-
	TRAPS ETC.				
	uPVC				
12,18	40mm Deep seal "P" or "S" trap	No	2,00	R	-
	TAPS, VALVES, ETC.				
12,19	Double sink with Mixer	No	1,00	R	-
	water supplies Connection shall be made at point left by other and the contractor is to allow for the location of this pipe and connection of all new pipework. All pipework to be class II copper pipe with compression fittings under ground and solvent welded fittings above ground. The contractor is to ensure that a balanced water system is achieved. The contractor are to allow for minimum 1 no. external tap				
	Sanitary Specification The supply of sanitaryware and hot water cylinders will be seperately measured items but the contractor is to allow for the internal plumbing installation of all sanitary ware and hot water cylinders, connection thereto, etc. complete as well as fixing / fitting of sanitaryware, traps, wastes, etc. The contractor is to allow for the plumbing installation as above up to the external face of the building where it will be connected to the external plumbing and drainage measured elsewhere (Detailed breakdown required prior to signing of contract)				
	WATER SUPPLIES				
12,20	75mm HDPE pipe	m	30,00	R	-

12,21	75mm Pipes laid in trenches not exceeding 1m deep	m	30,00	R	-
	Extra over uPVC pipes for fittings				
12,22	75mm Bend	No	15,00	R	-
12,23	75mm Tee junction	No	6,00	R	-
	Sundries				
12,24	Testing water system	No	1,00	R	-
	FIRE APPLIANCES ETC				
	Chubb				
12,25	4.5kg DCP fire extinguisher	No	5,00	R	-
12,26	Everyway hose reel complete with 35m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2,00	R	-
12,27	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.	Item	1,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
13	BILL NO. 13 PAINTWORK				
	PAINTWORK				
	NOTE: Tenderers are advised to study the Model Preambles for Trades 2008 before pricing this bill				
	PAINTWORK, ETC. TO NEW WORK				
	ON FLOATED PLASTER				
	One coat "Plascon" alkaline resistant primer, one coat "Plascon" universal undercoat and two coats "Plascon" wall & all paint applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
13,1	On internal walls	m2	1 250,64	R	-
	ON PLASTER BOARD				
	One coat "Plascon" professional plaster primer (PP700) and two coats "Plascon" professional super matt (PEM900) applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
13,2	On internal ceilings and cornices	m2	885,19	R	-
	ON WOOD				
	Three coats "Plascon" clear external varnish applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
13,3	On doors	m2	3,25	R	-
	One coat "Plascon" wood primer, one coat "Plascon" universal under coat and two coats "Plascon" gloss enamel paint applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
13,4	On doors	m2	15,08	R	-
	One coat "Plascon" plascogaurd 40 universal epoxy primer (PEX40) and two coats "Plascon" wall & all (WAA 1) applied in strict accordance with manufacturer's instructions				
13,5	On roof timbers at eaves and verges	m2	170,87	R	-
13,6	19 x 75mm Timber skirting	m	Rate only	R	-
	ON METAL				
	Prepare and apply two coats "Plascon" professional egg shell enamel (PSB 700) paint applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
13,7	On internal door frames	m2	12,80	R	-
	CARRIED TO SUMMARY PAGE			R	-
Bill	SUMMARY PAGE				

1	BILL NO. 1 EARTHWORKS				R	-
2	BILL NO. 2 CONCRETE, FORMWORK AND REINFORCEMENT				R	-
3	BILL NO. 3 MASONRY				R	-
4	BILL NO. 4 WATERPROOFING				R	-
5	BILL NO. 5 ROOF COVERINGS, ETC				R	-
6	BILL NO. 6 CARPENTRY AND JOINERY				R	-
7	BILL NO. 7 CEILINGS, PARTITIONS AND ACCESS FLOORING				R	-
8	BILL NO. 8 IRONSMONGERY				R	-
9	BILL NO. 9 METALWORK				R	-
10	BILL NO. 10 PLASTERING				R	-
11	BILL NO. 11 TILING				R	-
12	BILL NO. 12 PLUMBING & DRAINAGE (PROVISIONAL)				R	-
13	BILL NO. 13 PAINTWORK				R	-
Total carried to summary					R	-

MHLONTLO LOCAL MUNICIPALITY

**SECTION 3- ABLUTIONS BLOCK
NTIBANE FARM PRE-SCHOOL**

Item No	Description	Unit	Quantity	Rate	Amount
1	BILL NO. 1 EARTHWORKS				
	SITE CLEARANCE ETC				
	Site clearance				
1,1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	89,24		R -
	BULK EXCAVATION, FILLING, ETC				
	Excavation in earth not exceeding 2m deep				
1,2	In bulk excavation	m3	3,60		R -
	Extra over all excavations for carting away				
1,3	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m3	1,90		R -
	Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density				
1,4	G5 Filling	m3	1,90		R -
	EXCAVATION, FILLING, ETC				
	Excavation in earth not exceeding 2m deep				
1,5	Trenches	m3	7,66		R -
	Risk of collapse of excavations				
1,6	Sides of trench and hole excavations not exceeding 1.5m deep	m2	22,21		R -
	Keeping excavations free of water				
1,7	Keeping excavations free of water	Item	1,00		R -
	G6 filling obtained from stockpiles on-site compacted to 95% Mod AASHTO density				
1,8	Filling to trenches, holes, etc.	m3	3,60		R -
1,9	Under surface beds, etc	m3	2,20		R -
	Compaction of surfaces				
1,10	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking	m2	25,54		R -
	Prescribed density tests on filling				
1,11	Modified AASHTO Density test	No	4,00		R -
	SOIL POISONING				
	Soil insecticide				
1,12	On sides of trench excavations	m2	72,08		R -
1,13	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	37,04		R -
	CARRIED TO SUMMARY PAGE				R -
2	BILL NO. 2 CONCRETE, FORMWORK AND REINFORCEMENT				
	CONCRETE, FORMWORK AND REINFORCEMENT				
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete.:				
2,1	Strip footings	m3	28,64		R -
	REINFORCED CONCRETE				
	25MPa/19mm concrete				
2,2	Surface beds cast in panels on waterproofing	m3	42,59		R -
2,3	Apron Slabs and Walkways	m3	14,44		R -
2,4	Ramps	m3	0,30		R -
	TEST BLOCKS				
	Test blocks				
2,5	Making and testing 150 x 150 x 150mm concrete strength test cube	Sets	4,00		R -

	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
2,6	Surface beds, slabs, etc to falls	m2	72,08	R R	- -
	FORMWORK				
2,7	To Sides of Apron Slab	m	37,01	R	-
2,8	To Sides of ramp	m2	4,10	R	-
	REINFORCEMENT (PROVISIONAL)				
	High tensile steel reinforcement to structural concrete work in all diameters				
2,9	Strip footings	t	1,60	R	-
	Fabric reinforcement				
2,10	Mesh Ref 311 fabric reinforcement	m2	86,52	R	-
	CARRIED TO SUMMARY PAGE			R	-
3	BILL NO. 3 MASONRY				
	BRICKWORK				
	FOUNDATIONS				
	Brickwork of "NFX" bricks (14 MPa nominal compressive strength) in class I mortar				
3,1	110mm Half brick walls	m2	11,47	R	-
3,2	220mm One brick walls in foundations	m2	25,56	R	-
	SUPERSTRUCTURE				
	Brickwork of "NFP" burnt clay bricks (7MPa nominal compressive strength) in Class II mortar				
3,3	110mm Half brick walls	m2	51,62	R	-
3,4	220mm One brick walls	m2	114,99	R	-
3,5	220mm One brick walls in beamfilling	m2	22,58	R	-
	BRICKWORK SUNDRIES				
	Brickwork reinforcement 2.80mm thick				
3,6	75mm Wide reinforcement built in horizontally	m	172,08	R	-
3,7	150mm Wide reinforcement built in horizontally	m	383,31	R	-
	Stresso or similar pre-stressed fabricated lintels				
3,8	110 x 75mm Lintels in lengths not exceeding 3m	m	5,00	R	-
	Galvanised wire ties, etc				
3,9	4mm Diameter double strand galvanised roof anchor built in 500mm minimum	No	65,00	R	-
	FACE BRICKWORK				
	Approved FBS face bricks in stretcher bond (P.C Sum R??/1000 bricks) jointed in Class I mortar and pointed with recessed vertical and recessed horizontal joints				
3,10	Extra over brickwork in NFP bricks for face brickwork	m2	21,72	R	-
3,11	Extra over brickwork for brick-on-edge header course lintel pointed on face and 110mm soffit	m	127,77	R	-
3,12	220mm Wide sills set sloping and slightly projecting	m	9,20	R	-
	CARRIED TO SUMMARY PAGE			R	-
4	BILL NO. 4 WATERPROOFING				
	WATERPROOFING				
	DAMP-PROOFING OF WALLS AND FLOORS				
	One layer of 375 micron "Consol Plastics Brikrip DPC" embossed damp proof course				
4,1	In walls	m2	21,72	R	-
	One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"				
4,2	Under surface beds	m2	86,52	R	-
	CARRIED TO SUMMARY PAGE			R	-

5	BILL NO. 5 ROOF COVERINGS, ETC				
	ROOF COVERINGS, ETC				
	PROFILED METAL SHEETING AND ACCESSORIES				
	Chromadek IBR Roof Sheeting interlocking roof sheeting, fixed to timber purlins at 1000 mm centres using using, roof flashing and accessories, all in accordance with manufacturers recommendations				
5,1	Roof covering with pitch not exceeding 30 degrees	m2	157,23	R	-
5,2	Ridge capping 462mm girth three times bend along girth	m	12,93	R	-
	ROOF AND WALL INSULATION				
	Isover Aerolite Glasswool 50mm insulation				
5,3	Insulation laid horizontal on top of timber rafters (at maximum 1200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires as per manufacturer's recommendation	m2	72,08	R	-
	CARRIED TO SUMMARY PAGE			R	-
6	BILL NO. 6 CARPENTRY AND JOINERY				
	Joinery				
	Fixing				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete				
	ROOFS ETC				
6,1	Roof construction for single pitched roofs not exceeding 30 degree approximately +/-59 m ² overall on plan at ablutions and walkway	No	1,00	R	-
	EAVES, VERGES, ETC				
	High density plain fibre-cement fascias				
6,2	220 x 15mm Thick fascia and barge boards, including aluminium H-profile joiners	m	49,01	R	-
	SKIRTINGS				
	Wrought "Meranti"				
6,3	19 x 75mm High skirting screw fixed and plugged to brickwork including 19x19mm quarter round bead nailed	m	Rate Only	R	-
	DOORS ETC				
	Hollow core internal door				
6,4	2032 x 830mm	No	8,00	R	-
	COUNTER TOPS				
	As per clients approval				
6,5	Counter tops as per the drawings	sum	Rate Only	R	-
	CARRIED TO SUMMARY PAGE			R	-
7	BILL NO. 7 CEILINGS, PARTITIONS AND ACCESS FLOORING				
	CEILINGS, PARTITIONS AND ACCESS FLOORING				
	NAILED UP CEILINGS				
	4mm "Everite Nutec" fibre-cement ceiling boards fixed with 32mm galvanised clout nails at 150mm centres and 25x3.5mm dry wood screws at 600mm centres for additional support with pre-painted H-type pressed steel jointing strips all in strict accordance with the manufacturer's specifications				
7,1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres fixed to timber rafters	m2	72,08	R	-
7,2	Extra over ceiling for 600 x 600mm trap door of 38 x 38mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush with opening	No	1,00	R	-
	CORNICE				
7,3	75mm Coved Cornice	m	37,01	R	-
	CARRIED TO SUMMARY PAGE			R	-
8	BILL NO. 8 IRONMONGERY				

	IRONMONGERY				
	HINGES, BOLTS, ETC				
8,1	102 x 75 x 3mm Dorma DBB-SS-009 stainless steel two ball bearing hinge.	No	60,00	R	-
8,2	WC Indicator bolt	No	8,00	R	-
	LOCKS				
8,3	Three lever lockset	No	2,00	R	-
8,4	Two lever lockset	No	8,00	R	-
	CATCHES, CABIN HOOKS, ETC				
8,5	Floor Mounted Door Holder (Satin Chrome on Brass) code: 401	No	2,00	R	-
	SIGNS				
8,6	Signs	sum	1,00	R	-
	BATHROOM FITTINGS				
8,7	3-Roll lockable toilet roll holder white, overall size 140mm x 125mm x 405mm plugged and screw to wall with stainless steel screws or similar approved	No	8,00		-
8,8	Wall mounted Automatic Urinal flush	No	4,00		-
8,9	Automatic Hand Dryer – Stainless Steel	No	2,00		-
8,10	Stainless steel sensor bin	No	2,00		-
	CARRIED TO SUMMARY PAGE			R	-
9	BILL NO. 9 METALWORK				
	METALWORK				
	Finishes				
	Final product shall be free from all sharp edges.				
	PRESSED STEEL DOOR FRAMES WITH FACTORY APPLIED RED OXIDE COATING				
	1,2mm Double rebated frames suitable for half brick walls including 2 x 100mm loose pin hinges and adjustable chrome striking plate				
9,1	Frame for door 813 x 2032mm high (D3)	No	10,00	R	-
9,2					
	ALUMINIUM WINDOWS, DOORS, ETC				
9,3	Window size 800 x 1000mm high W04	No	12,00	R	-
9,4	Window size 700 x 900mm high W03	No	2,00	R	-
	Standard Timber Door				
9,5	Standard External Doors D04	No	2,00	R	-
9,6	Standard Internal Doors D05	No	8,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
10	BILL NO. 10 PLASTERING				
	PLASTERING				
	INTERNAL PLASTER				
	One coat cement plaster on brickwork				
10,1	On walls	m2	106,05	R	-
10,2	On narrow widths	m2	6,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
11	BILL NO. 11 TILING				
	TILING				
	Grouting joints				
	Joints to be 3mm width in floor tiles and 4mm width in wall tiles				
	WALL TILES				
	Wall tiles with 6mm joints continuous in both directions with TAL adhesive (PC Sum R100.00/m²), including all cutting and waste				
11,1	On walls	m2	168,37	R	-

11,2	On Splashbacks	m2	Rate only	R	-
	FLOOR TILING				
	Non -slip Porcelain floor tiles with 6mm joints continuous in both directions with TAL adhesive (PC Sum R200.00/m²), including all cutting and waste				
11,3	On Floors	m2	69,85	R	-
11,4	85mm Skirting	m	106,05	R	-
	CORNER PROTECTORS, DIVIDING STRIPS, ETC				
	M-Trim				
11,5	Aluminium straight edge trim ASE080	m	4,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
12	BILL NO. 12 PLUMBING & DRAINAGE (PROVISIONAL)				
	PLUMBING				
	DRAINAGE				
	SOIL DRAINAGE				
	Rigid PVC Socketed Soil Piping (SABS 791) With Bedding And Filling As Laid Out In SABS 1200 LB - Bedding Flexible Pipes, Backfilling With Excavated Material				
12,1	160mm Pipes laid in and including trenches not exceeding 1m deep	m	10,00	R	-
12,2	160mm Pipes laid in and including trenches exceeding 1m not exceeding 2m deep	m	Rate only	R	-
12,3	160mm Pipes vertically or ramped to cleaning eyes, etc (no excavation)	m	10,00	R	-
12,4	160mm Diameter piping fixed to duct walls	m	10,00	R	-
	Extra over uPVC class 34 pipes for fittings				
12,5	160mm Access bend	No	5,00	R	-
12,6	160mm Junction	No	3,00	R	-
12,7	110mm Access junction	No	4,00	R	-
	uPVC rodding eyes				
12,8	110mm x 45 Degree uPVC cleaning eye with and including 300 x 300mm 25MPa concrete surround	No	1,00	R	-
	Sumps, gullies, catchpits inspection chambers, etc. (gratings and covers elsewhere)				
12,9	110mm PVC gully not exceeding 750mm deep with grid and concrete gully top 410 x 420 x 155mm high complete	No	4,00	R	-
	Sundries				
12,10	Cutting into existing 160mm uPVC line for connecting 110mm diameter uPVC pipes	No	6,00	R	-
12,11	Squire profile alluminium gutters	No	38,79	R	-
12,12	Squire profile alluminium Downpipes	M	12,00	R	-
	SANITARY FITTINGS				
	Note: The contractor to allow in his pricing for supply and installation of all sanitary fittings, short lengths of piping, consumables etc. except for free issue items, the contractor must only allow for complete installation				
	Supply and install				
12,13	Shortland Compact Box Suite vitreous china close coupled suite colour White (code: , comprising 90° outlet open rim pan with matching 6/3 litre top dual flush cistern	No	8,00		-
12,14	Coral White Wall Mounted Basin & Floor Pedestal Set	No	8,00		-
	GEYSER				
12,15	Kwikot DSG-100-5 400KPA Geyser (100L)	No	1,00	R	-
	WASTE UNIONS ETC.				
	Waste Connections				
12,16	NOTE: Waste connections to all fixtures shall include all the gratings with plug and chain, washers, gaskets, back nuts, specified traps, connection pipe lengths and rubber bungs where needed.				
	Cobra				
12,17	Chrome plated anti-theft basin waste plug (Code: 309-32)	No	8,00	R	-
	TRAPS ETC.				

	uPVC				
12,18	40mm Deep seal "P" or "S" trap	No	8,00	R	-
	TAPS, VALVES, ETC.				
12,19	Basin taps	No	16,00	R	-
	WATER SUPPLIES				
12,20	75mm HDPE pipe	m	10,00	R	-
12,21	75mm Pipes laid in trenches not exceeding 1m deep	m	10,00	R	-
	Extra over uPVC pipes for fittings				
12,22	75mm Bend	No	7,00	R	-
12,23	75mm Tee junction	No	3,00	R	-
	Sundries				
12,24	Testing water system	No	1,00	R	-
12,25	Allow for testing all drains, sanitary plumbing and water supplies to the satisfaction of the Architect and to Municipal requirements. All defective work is to be taken out and replaced at the Contractor's expense.	Item	1,00	R	-
	CARRIED TO SUMMARY PAGE			R	-
13	BILL NO. 13 GLAZING				
	GLAZING				
	MIRRORS				
13,1	Rectangular Mirror Panel 915 x 610 x 4mm	No	8,00		-
	CARRIED TO SUMMARY PAGE			R	-
14	BILL NO. 14 PAINTWORK				
	PAINTWORK				
	PAINTWORK, ETC. TO NEW WORK				
	ON FLOATED PLASTER				
	One coat "Plascon" alkaline resistant primer, one coat "Plascon" universal undercoat and two coats "Plascon" wall & all paint applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
14,1	On internal walls	m2	32,40	R	-
	ON PLASTER BOARD				
	One coat "Plascon" professional plaster primer (PP700) and two coats "Plascon" professional super matt (PEM900) applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
14,2	On internal ceilings	m2	72,08	R	-
	ON WOOD				
	Three coats "Plascon" clear external varnish applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
14,3	On doors	m2	3,25	R	-
	One coat "Plascon" wood primer, one coat "Plascon" universal under coat and two coats "Plascon" gloss enamel paint applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
14,4	On doors	m2	13,01	R	-
	One coat "Plascon" plascogaurd 40 universal epoxy primer (PEX40) and two coats "Plascon" wall & all (WAA 1) applied in strict accordance with manufacturer's instructions				
14,6	On roof timbers at eaves and verges	m2	35,90	R	-
14,7	19 x 75mm Timber skirting	m	Rate only	R	-
	ON METAL				
	Prepare and apply two coats "Plascon" professional egg shell enamel (PSB 700) paint applied in strict accordance with manufacturer's instructions in colours according to the architect's specification				
14,8	On internal door frames	m2	8,90	R	-
	CARRIED TO SUMMARY PAGE			R	-

BILL	SUMMARY PAGE				
1	BILL NO. 1 EARTHWORKS				R -
2	BILL NO. 2 CONCRETE, FORMWORK AND REINFORCEMENT				R -
3	BILL NO. 3 MASONRY				R -
4	BILL NO. 4 WATERPROOFING				R -
5	BILL NO. 5 ROOF COVERINGS, ETC				R -
6	BILL NO. 6 CARPENTRY AND JOINERY				R -
7	BILL NO. 7 CEILINGS, PARTITIONS AND ACCESS FLOORING				R -
8	BILL NO. 8 IRONMONGERY				R -
9	BILL NO. 9 METALWORK				R -
10	BILL NO. 10 PLASTERING				R -
11	BILL NO. 11 TILING				R -
12	BILL NO. 12 PLUMBING & DRAINAGE (PROVISIONAL)				R -
13	BILL NO. 13 GLAZING				R -
14	BILL NO. 14 PAINTWORK				R -
Total carried to summary					R -

MHLONTLO LOCAL MUNICIPALITY

SECTION - EXTERNAL WORKS
NTIBANE FARM PRE-SCHOOL

Item No	Description	Unit	Quantity	Rate	Amount
1	SITE CLEARANCE ETC				
	Site clearance				
1,1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	845,00		R -
	Earth filling supplied by the contractor, compacted to 95% Mod AASHTO				
1,2	River Sand	m3	152,50		R -
	Compaction of surfaces				
1,3	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	602		R -
	PAVING				
1,4	Paving with 60mm interlocking concrete blocks	m2	600		R -
	FENCING				
1,5	1,8m High Clear Vu Fencing	m	240		R -
1,6	6m Wide Sliding Clear Vu Gate with a pedestrian small gate incorporated	no	1		R -
Total carried to summary					R -

MHLONTLO LOCAL MUNICIPALITY

SECTION 4 - PROVISIONAL SUMS

NTIBANE FARM PRE-SCHOOL

Item No	Description	Unit	Quantity	Rate	Amount
1	ELECTRICAL WORKS				
1,1	Provisional sum allowance for all the electrical works including the outdoor LED lights around the buildings including all the connections, wiring, DB Box, internal lights and all other electrical items for Community Hall and Ablution Buildings (Allow sum of R150 000,00)	Prov Sum	1		R -
1,2	Allow for Profit	%	R -	10%	R -
2	STEEL TRUSSES				
2,1	Supply and Install Steel Roofs Trusses to cover +/-805m2 area in Community Hall (Allow sum of R650 000,00)	Prov Sum	1		R -
2,2	Allow for Profit	%	R -	10%	R -
Total carried to summary					R -

SECTION 5 - BUDGET ALLOWANCE

NTIBANE FARM PRE-SCHOOL

Item No	Description	Unit	Quantity	Rate	Amount
1	WATER CONNECTION				
1.1	Provisional sum allowance for Connection of water from the water supply (Allow sum of R50 000,00)	Allow	1		R -
2	STORMWATER DRAINAGE				
2.1	Provisional sum allowance for storm water drainage (Allow sum of R70 000.00)	Allow	1		R -
3	SEPTIC TANK				
3.1	Supply and Install Septic tank, incl. trenches, connections, All piping connections and all necessary fittings (Allow sum of R100 000,00)	Allow	1		R -
4	TIMBER STAGE				
4,1	Provisional Allowance for Timber Stage with Staircases both sides as per drawings at the Community Hall (+/- 94 m2), (Allow sum of R150 000,00)	Allow	1		R -
5	TESTING MATERIALS AND WORKMANSHIP				
5,1	Other special tests requested by the engineer (Allow sum of R15 000,00)	Allow	1		R -
Total carried to summary					R -

MHLONTLO LOCAL MUNICIPALITY

NTIBANE FARM PRE-SCHOOL

FINAL SUMMARY

Bill No.	DESCRIPTION	Amount
	Section 1	
1	PRELIMINARIES AND GENERAL	R -
	Section 2	
2	COMMUNITY HALL	R -
	Section 3	
3	ABLUTION BLOCK	R -
	Section 4	
4	EXTERNAL WORKS	R -
	Section 5	
5	BUDGET ALLOWANCE	R -
	Section 6	
6	PROVISIONAL SUMS	R -
	SUB-TOTAL 1	R -
	CONTINGENCIES @ 10%	R -
	SUB-TOTAL 2	R -
	ADD: VAT @ 15%	R -
	TOTAL CARRIED TO TENDER	R -