

LIM473/GUARD-HOUSES/22/23/031  
Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	1		<b>BILL NO 1</b>				
			<b>SECTION D: SPECIFIC PRELIMINARIES</b>				
			<b>CONTRACTUAL OBLIGATION</b>				
			Fixed obligations	Lump Sum			
			Value-related oblogations	Lump Sum			
			Time-related obligations	Month	4		
			Provision for the appointment of community liason officer for the duration of the project	Month	4	R 6 500,00	R 26 000,00
1	1		Carried to Final Summary				

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	2		<b>BILL NO 2</b>	H1	0		
2	2		<b>EARTHWORKS (PROVISIONAL)</b>	H1	0		
2	2		<b>PREAMBLES</b>	H2	0		
2	2		The Tenderer is referred to the relevant clauses in the separate document 'Model Preambles for Trades' (2008 Edition) and the supplementary preambles hereunder.		0		
2	2		SUPPLEMENTARY PREAMBLES	H2	0		
2	2		Method of measurement	H3	0		
2	2		The entire document has been measured in accordance to the standard system of measuring building work 1999 (6th Edition) unless otherwise stated.		0		
2	2		Definitions	H3	0		
2	2		The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.		0		
2	2		Blasting	H3	0		
2	2		No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property.		0		
2	2		Dump site	H3	0		

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	2		Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard.		0		
2	2		Carting away of excavated material	H3	0		
2	2		Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.		0		
2	2		Imported filling	H3	0		
2	2		Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site.		0		
2	2		Bulking	H3	0		
2	2		No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained.		0		
2	2		Project specifications	H3	0		
2	2		Refer to the Project Specifications on the Engineer's drawings.		0		
2	2		Classes of excavation	H3	0		
2	2		Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: Soft and intermediate excavation as soft excavation Hard rock excavations, which will include unweathered boulders exceeding 20m <sup>3</sup> , and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.		0		
2	2		Prescribed density tests on filling	H3	0		
2	2		Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items.		0		

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	2			UL	0		
2	2		<b>SITE CLEARANCE ETC</b>	H2	0		
2	2		<b>SITE CLEARANCE</b>	H3	0		
2	2	1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	57,57		
2	2		<b>EXCAVATIONS, FILLING, ETC</b>	H2	0		
2	2		Tenderers are to allow for accommodation of traffic, flagmen, etc. all in accordance to best practise and health & safety requirements. The residence is in an existing live residential estate and all care shall be taken to ensure that the site and access to the site is kept clear of rubble, safe for the client, subcontractors, etc. and this shall be adhered to for the duration of the project.		0		
2	2		<b>EXCAVATIONS NOT EXCEEDING 2m</b>	H3	0		
2	2	2	Excavate in pickable material for trenches n.e 2m deep	m3	11,86		
			<b>RISK OF COLLAPSE</b>				
2	2	4	To sides of excavation n.e 2m deep	m2	45,54		
2	2		<b>FILLING</b>	H2			
			Backfilling to sides of excavations and compacting to 93% MOD AASHTO density	m3	10,06		
2	2		<b>SOIL POISONING</b>	H2	-		
2	2		Soil insecticide	H3	-		
2	2	5	To bottoms and sides of trenches, under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming.	m2	60,39		
2	2		<b>EXTRA OVER PRESCRIBED DENSITY TESTS ON FILLING</b>	H3	0		
2	2	6	"Modified AASHTO Density" test.	No	6		
2	2		<b>Carried to Final Summary</b>				<b>R -</b>

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	3		<b>BILL NO 3</b>				
2	3		<b>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>	H2	-		
2	3	1	20MPa/19mm concrete	H3	-		
2	3	2	Footings	m3	4,49		
2	3		<b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>	H2	-		
2	3		20MPa/19mm concrete	H3	-		
2	3	3	Surface Bed	m3	2,26		
2	3		<b>TEST CUBES</b>	H2	-		
2	3	4	Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved independent testing laboratory for testing and paying all charges in connection therewith. (Provisional)	No	2,00		
2	3		<b>REINFORCEMENT</b>	H2	-		
2	3		Mild & High Tensile steel reinforcement to structural concrete work.	H3	-		
2	3	5	Ref 193 mesh wire laid horizontally on the floors in concrete surface beds, slabs, etc.	No	2,00		
2	3		<b>BRICKWORK</b>	H2	-		
2	3		Brickwork of NFX bricks or equally approved (14 MPa nominal compressive strength) in class II mortar	H3	-		
2	3	6	NFX Class II mortar: One brick wall brickwork to foundations	m2	14,70		
2	3		<b>BRICKWORK SUNDRIES</b>	H2	-		
2	3		Brickwork reinforcement	H3	-		
2	3	7	150mm Wide reinforcement built in horizontally	m	28,82		
2	3		<b>Carried to Final Summary</b>				<b>R -</b>

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			<b>BILL NO 4</b>				
2	4		PREAMBLES	H2	-		
2	4		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	4		NOTE:	H3	-		
2	4		This document must be read and familiarised with in conjunction with the Architects' & Engineers' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained.		-		
2	4		These bills are measured based on the Standard System of Measuring Builder's Work 1999 Sixth Edition (Revised). No claims will be entertained for items not covered by the afore mentioned document		-		
2	4		The contractor is advised to be in constant communication with the quantity surveyor during the course of the tender process and/or project with regards to the following: 1. Tender drawings versus the Tender bills of quantities - Should there be a discrepancy between the tender drawings and the bills of quantities, the contractor shall notify the quantity surveyor immediately. 2. Construction drawings versus the Tender bills of quantities - Should there be a discrepancy between the construction drawings and the bills of quantities, the contractor shall notify the quantity surveyor immediately. 3. Site Instructions - The quantity surveyor together with the principal agent shall be notified immediately of any site instructions or potential costs in accordance to the contract. No claims or costs arising out of not adhering to the above will be entertained.		-		
2	4		SUPPLEMENTARY PREAMBLES	H2	-		
2	4		Protection of works	H3	-		
2	4		Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.		-		
2	4		Joints	H3	-		
2	3		A 10mm clean joint must be left between the top surfaces of internal brick walls and the soffits of concrete slabs. Care must be taken to assure that no mortar, pieces of brick or any other objects exist in the joint		-		
2	4		Wire Ties	H3	-		
2	4		Descriptions of brickwork shall be deemed to include wire ties		-		
2	4		Face brickwork	H3	-		
2	4		Bricks shall be ordered timeously to obtain uniformity in size and colour. Descriptions of face brickwork shall be deemed to include pointing on all exposed surfaces.		-		
2	4		Samples	H3	-		

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2	4	Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site.		-	
2	4	Storage of materials on site	H3	-	
2	4	Structural units delivered to the site shall be carefully unloaded by hand or crane, and placed on prepared areas free from clinker, ash or sulphate-bearing soils and in separate stacks according to strength. The stacks shall be protected from rain and arranged to allow free circulation of air. Cement shall be stored off the ground in a dry weatherproof structure to facilitate inspection and to permit the use of materials in the order of delivery. Sand shall be stored separately according to type and in such a way that it will not become contaminated.		-	
2	4	Treatment of masonry units	H3	-	
2	4	Burnt clay units with an initial water absorption rate that exceeds 1,8 kg/m <sup>2</sup> min shall be wetted prior to laying to reduce the rate to between 0,7 and 1,8 kg/m <sup>2</sup> min.		-	
2	4	Mortar	H3	-	
2	3	The mortar materials shall be mixed dry until a uniform colour is attained. Water shall then be added and the mixture turned over until the ingredients are thoroughly incorporated. The mortar shall be produced in such quantities that no setting occurs before use. (Usually less than 2 hours). When cement mortar is mixed old mortar that has already set shall be removed from the mixer or the platform as such mortar may not be incorporated in a new batch. No water shall be added afterwards to improve workability.		-	
2	4	Accuracy in building	H3	-	

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2	4		Unless specified otherwise accuracy grade II shall apply as set out in SANS 10155.		-		
2	4		<b>SUPERSTRUCTURE</b>	H2	-		
2	4		Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar	H3	-		
2	4	1	NFX Class II mortar: half brick walls	m2	72,46		
2	4		<b>BRICKWORK SUNDRIES</b>	H2	-		
2	4		Brickwork reinforcement	H3	-		
2	4	3	150mm Wide reinforcement built in horizontally	m	127,05		
2	4		<b>FACE BRICKWORK</b>	H2	-		
2	4	4	Half brick walls for face brickwork	m2	72,46		
2	4		<b>PRECAST CONCRETE</b>	H2	-		
2	4		Prestressed fabricated concrete lintels including necessary temporary supports	H3	-		
2	4	5	110 x 70mm Lintels in lengths not exceeding 3m	m	7,09		
2	4		<b>Carried to Final Summary</b>				<b>R -</b>

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	5		<b>BILL NO 5</b>	H1	-		
2	5		<b>WATERPROOFING (PROVISIONAL)</b>	H1	-		
2	5		PREAMBLES	H2	-		
2	5		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	5		SUPPLEMENTARY PREAMBLES	H2	-		
2	5		Waterproofing	H3	-		
2	5		Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets, etc, with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs		-		
2	5		Method of measurement	H3	-		
4	5		The entire document has been measured in accordance to the standard system of measuring building work 1999 (6th Edition) unless otherwise stated.		-		
2	5		Protection of works	H3	-		
2	5		Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.		-		
2	5		DAMP-PROOFING OF WALLS AND FLOORS	H2	-		
2	5		Waterproofing to roofs shall be laid to even falls to outlets, etc., with necessary ridges, hips and valleys		-		
2	5		Descriptions of sheet or membrane waterproofing shall be deemed to include labour to turn-ups and turn-downs		-		

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	5		Joint sealants	H3	-		
2	5		The colour of joint sealants in brickwork or concrete shall match the colour of the adjacent brick or concrete finish		-		
2	5			UL	-		
2	5		<b>DAMPPROOFING OF WALLS AND FLOORS</b>	H2	-		
2	5		One layer of 375 micron "Gundle Plastall Brikgrip DPC" embossed damp proof course	H3	-		
2	5	1	Under one brick walls	m2	6,34		
2	5	2	Under window sills (dpc to be turned up at the end and folded back to stick)	m2	3,45		
2	5		One layer of 250 micron "Gundle Plastall GunplasUSB Green" waterproof sheeting sealed at laps withGunplas Pressure Sensitive tape	H3	-		
2	5	3	Under surface beds	m2	22,64		
2	5		<b>Carried to Final Summary</b>				<b>R -</b>

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	6		<b>BILL NO 6</b>	H1	-		
2	6		<b>ROOF COVERINGS, ETC (PROVISIONAL)</b>	H1	-		
2	6		PREAMBLES	H2	-		
2	6		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	6		NOTE:	H3	-		
2	6		This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained.		-		
2	6		These bills are measured based on the Standard System of Measuring Builder's Work 1999 Sixth Edition (Revised). No claims will be entertained for items not covered by the afore mentioned document		-		
2	6		PROFILE SHEETING AND ACCESSORIES	H2	-		
2	6		Sheeting: Sheeting shall be approved colour plus (R) AZ150 Interlocking roof sheeting or similar approved, fixed to timber internal purlins using appropriate clips which are fastened to the purlins with approved fasteners all in accordance to the manufacturers recommendation. Colour to match existing (Green)		-		
2	6		0.6mm Thick flashings: Flashings shall be 0.6mm GRS Kliplock side wall and counter flashings to detail		-		
4	6		Erection: Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, shall be replaced.		-		

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	6		Safety: The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.		-		
2	6		Handling and storing: The contractor shall ensure that all materials used on site for cladding, etc. are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.		-		
4	6			UL	-		
2	6		0.58mm Thick IBR Roof covering (with color matching the existing building) on the profile sheeting and accessories, in strict accordance with manufacture's specifications including all necessary sealer strips on overlaps,etc SABS approved	H3	-		
2	6	1	Roof covering with pitch exceeding 25 degrees	m2	21,06		
2	6		Roof insulation	H3	-		
2	6	2	250m Micron roof underlay (membrane)	m2	21,06		
2	6		<b>Carried to Final Summary</b>				<b>R -</b>

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	7		<b>BILL NO 7</b>	H1	-		
2	7		<b>CARPENTRY AND JOINERY (PROVISIONAL)</b>	H1	-		
2	7		PREAMBLES	H2	-		
2	7		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	7		SUPPLEMENTARY PREAMBLES	H2	-		
2	7		Particle board	H3	-		
2	7		Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type		-		
2	7		Joinery	H3	-		
2	7		Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.		-		
2	7		Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes		-		
2	7		Method of measurement	H3	-		
2	7		The entire document has been measured in accordance to the standard system of measuring building work 1999 (6th Edition) unless otherwise stated.		-		
2	7		Protection of works	H3	-		
2	7		Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.		-		
2	7		Fixing:	H3	-		

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	7		Items described as nailed or plugged shall be deemed to be fixed to brickwork or concrete. Where the method of fixing is not described, descriptions shall be deemed to include fixing of timber to timber in a method approved by the architect. Descriptions of hardwood joinery shall be deemed to include pelleting of holes for bolts		-		
2	7		Doors	H3	-		
2	7		Flush doors with rebated meeting stiles to have hard wood edge strips to meeting stiles not less than 19mm thick		-		
2	7		Hardboard and veneer coverings to doors will be suitable to receive paint or varnish		-		
2	7		All doors to be equivalent to samples to be equivalent to samples to be submitted to the architect for approval		-		
2	7			UL	-		
2	7		PRE-FABRICATED TIMBER ROOF TRUSSES AND ASSOCIATED BRACING	H2	-		
2	7		NOTE: The following is applicable in respect of roof trusses and bracing: Plate nailed timber trusses shall be of approved design and manufacture and constructed with softwood structural timber by a truss Fabricator holding a current Certificate of Competence awarded by the Institute of Timber Construction. Each roof truss shall have all its members accurately cut and closely butted together and rigidly fixed by CSIR approved patented galvanized metal spiked connectors, precision pressed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions. The design, manufacture and transportation of the roof trusses, bracing, etc. shall be under the control of a registered Structural Engineer in accordance with SABS 0160 and SABS 0163, who shall, after erection, provide a certificate confirming that the design, manufacture, transportation, erection and bracing has been carried out in accordance with this specification. The design shall		-		

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4	6		Sawn softwood pre-fabricated plate nailed timber in roof construction to roofs complete with 38 x 114mm wall plates treated with carbolinium before fixing, trusses, jack rafters, additional supports for jack trusses, etc., all necessary permanent bracing, metal hangers, cleats, bolts, etc., purlins as described and one gang plank per roof layout over entire building length between fire walls (Roof covering and fascias elsewhere)	H3	-		
2	7	1	Construction of roof structure complete with Building truss size approximately 28 square metre at 1.35m high overall at ridge with overhang of 150mm, ridge capping, nails, fascia and barge board board, gutters, downpipes and all its accessories. Two coats wood preservative applied hot on sawn timbers before fixing.	No	1,00		
2	7		<b>DOORS, ETC.</b>	H2	-		
2	7		44mm Thick Timber door with concealed hardwood edges all round, with 3,2mm tempered hardboard covering to both sides, hung to steel frame with its accessories	H3	-		
2	7	2	44mm Door 0,813 x 2,032m high Heavy-Duty	No	3,00		
2	7		<b>Carried to Final Summary</b>				R -

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	7		<b>BILL NO 8</b>	H1	-		
2	8		<b>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</b>	H1	-		
2	8		PREAMBLES	H2	-		
2	8		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	8		SUPPLEMENTARY PREAMBLES	H2	-		
2	8		Method of measurement	H3	-		
2	8		The entire document has been measured in accordance to the standard system of measuring building work 1999 (6th Edition) unless otherwise stated.		-		
2	8		Protection of works	H3	-		
2	8		Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.		-		
2	8		Descriptions:	H3	-		
2	8		Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete		-		
2	8		Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere		-		
2	8			UL	-		
2	8		NAILED UP CEILINGS ETC	H2	-		
2	8		6.4mm Thick Nutec boards at right angles across to the bracing at 400mm centres with "Winged" self drilling drywall screws at 150mm centres not closer than 15mm from the edge of the board. Install boards with H-profile jointing strip and 19mm quarter round edges. The screwholes to be filled in with polycell polyfilla mendall 90 or similar external use poly filler and prepared to accommodate final primer and paint finish	H3	-		
2	8	1	Ceiling boards fixed including sawn soft bracing and all accessories at approved centres	m2	18,99		
			White shadowline cornice installed as per manufacture's specifications and recommendations	m	27,24		
2	8	2	Extra over ceilings for 600mm x 600mm trapdoor	No	1,00		
2	8		<b>Carried to Final Summary</b>				<b>R -</b>

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	9		<b>BILL NO 9</b>	H1	-		
2	9		<b>METALWORK (PROVISIONAL)</b>	H1	-		
2	9		PREAMBLES	H2	-		
2	9		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	9		SUPPLEMENTARY PREAMBLES	H2	-		
2	9		Method of measurement	H3	-		
2	9		The entire document has been measured in accordance to the standard system of measuring building work 1999 (6th Edition) unless otherwise stated.		-		
2	9		Protection of works	H3	-		
2	9		Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.		-		
2	9		Cleaning of finishes	H3	-		
2	9		All finishes shall be thoroughly cleaned down on completion. No additional costs for cleaning will be entertained		-		
2	9		Cutting & wastage	H3	-		
2	9		All straight and raking cutting and waste must be allowed for in the rates		-		
2	9		Setting out	H3	-		
2	9		Care shall be exercised in setting out the work, the preparation of templates and the checking of the detail drawings. All measurements shall be taken on the site where necessary and the full size setting out of each course shall be done at the yard so as to ensure proper fitting		-		
2	9		Before putting any work in hand the contractor is to submit to the architect samples for approval. Prices shall include all the required samples		-		

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	9		Descriptions:	H3	-		
2	9		Descriptions of bolts shall be deemed to include nuts and washers.		-		
2	9		Metalwork described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described.		-		
2	9		All surfaces of steelwork must be given one coat of approved zinc chromate primer before leaving the works of the manufacturer		-		
2	9		General	H3	-		
2	9		Rates should include for design, supply and installation, the detail of which must be submitted with this tender to be approved by the Architect.		-		
2	9		Tenderers must take note that the following items are only for tender purposes and will be used as basis and therefore the quantity might change. No claims in this regard will be entertained		-		
2	9		Note: Shop drawings should be submitted to and approved by the Architect		-		
2	9		<b>PRESSED STEEL DOOR FRAMES</b>	H2	-		
2	9		Rolled 1.2mm Thick pre-primed metal pressed to form double rebate 44mm deep door frame to suite 115mm brick wall with internal bagging plaster & external 10-20mm cement plaster (measured elsewhere) on brick threshold complete with 1&1/2 pairs of 100mm/4.2mm thick flanged steel butt hinges by door frame manufacturer & built in lugs conforming to SANS 10400 requirements.	H3	-		

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	9	1	Frame for door 813 x 2032mm high Heavy duty	No	3,00		
2	9		<b>ALUMINIUM DOORS, WINDOWS, ETC</b>	H2	-		
2	9		Note: Tenderers are referred to architect's aluminium schedules accompanying these bills of quantities for tender purposes. The below items shall be taken as a design & supply with shop drawings to be sent to the architect for approval.		-		
2	9		Design, supply, deliver and erect the following custom made natural anodised aluminium extruded profile windows (Colour: Natural anodised), complete including sub-frames, hinges, fixing in position, safety glass, etc. and sealing watertight, including ironmongery, fixing to brickwork & concrete all inclusive as per Architect's drawings and/or approval (Glass Type: 4mm thick laminated safety glass)	H3	-		
2	9	2	Window no. NC1 Aluminium window overall size 533mm wide x 949mm high as indicated on plan, fitted with a 4mm thick laminated TINTED safety glass	No	2,00		
2	9	2	Window no. NC2 Aluminium window overall size 1022mm wide x 949mm high as indicated on plan, fitted with a 4mm thick laminated TINTED safety glass	No	1,00		
2	9	2	Window no. SP W1 Aluminium sliding window, overall size 2000mm wide x 900mm high as indicated on plan, fitted with a 4mm thick laminated TINTED safety glass	No	1,00		
2	9	3	Window no. SP W2 Aluminium window, overall size 2000mm wide x 900mm high as indicated on plan, fitted with a 4mm thick laminated TINTED safety glass	No	1,00		
2	9		<b>Carried to Final Summary</b>				<b>R -</b>

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Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	10		<b>BILL NO 10</b>	H1	-		
2	10		<b>PLASTERING (PROVISIONAL)</b>	H1	-		
2	10		PREAMBLES	H2	-		
2	10		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	10		SUPPLEMENTARY PREAMBLES	H2	-		
2	10		Method of measurement	H3	-		
2	10		The entire document has been measured in accordance to the standard system of measuring building work 1999 (6th Edition) unless otherwise stated.		-		
2	10		Protection of works	H3	-		
2	10		Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.		-		
2	10		Screeds	H3	-		
2	10		Preparation of existing slabAll laitance on the surface of the slab must be removed completely. Mechanized plant such as scabblers or abrasive blasters must be used. After the mechanical cleaning of the slab surface to expose the coarse aggregate, all dust and debris must be removed, and the surface must be thoroughly wetted and kept wet for at least 12 hours before application of the screed.		-		

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	10		Concrete screedOnly CEM I 42,5 (Portland cement) or CEM II/A-V 42,5 (Portland fly ash cement) or CEM II/A - S 42,5 (Portland slag cement) or CEM II/B-S 42,5 (Portland slag cement) according to SANS 50197-1, may be used. The cement may not consist of more than 20% siliceous fly ash or 30% granulated blast furnace slag, blended with the Portland Cement. Coarse aggregate maximum size: 10mm28-day cube strength: 35 MPaThe use of an approved plasticizer is recommended to reduce the water content of the mix to the absolute workable minimum.The mix design must be submitted to the engineer for approval.		-		
2	10		Application of concrete screedRemove all surface water from the slab. Apply a grout to the slab surface which consists of a 1:1 mix of cement and clean fine sand with just enough water to provide the consistency of a slurry. This grout is to be vigorously brushed into the scabbled surface with brooms. On completion of this operation, the surplus grout must be brushed off to leave only a thin coating. The screed must be placed while the grout is still visibly wet. The screed must be laid and compacted in one layer. Care must be taken to obtain the maximum compaction of the concrete screed.		-		
2	10		Plaster	H3	-		

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	10		Cement plaster for 1 coat work on brickwork shall be composed of 4 parts of sand to 1 part of cement for internal work and 5 parts of sand to 1 part of cement for external work, all measured by volume, and mixed as follows: Cement mortar shall be composed of 6 parts (by volume) of sand and 1 part (by volume) of cement. The material shall be mixed dry until of uniform colour and then water added and the mixture turned over until the ingredients are thoroughly incorporated. Cement mortar shall be produced in such quantities as can be used before commencing to set as no cement mortar that has once commenced to set shall be used in any way. Care shall be taken in mixing cement mortar to remove from the mixing machine or platform any old mortar that has already set as such mortar may not be incorporated into any new batch.		-		
2	10			UL	-		
2	10		<b>SCREEDS</b>	H2	-		
2	10		Screeds wood floated on concrete	H3	-		
2	10	1	30mm Thick on floors and landings	m2	19,66		
2	10		<b>INTERNAL PLASTER</b>	H2	-		
2	10		One coat cement plaster on brickwork steel floated	H3	-		
2	10	2	Walls	m2	72,46		
2	10	3	On narrow widths	m2	4,24		
2	10		<b>Carried to Final Summary</b>				<b>R -</b>

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SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	11		<b>BILL NO 11</b>	H1	-		
2	11		<b>TILING (PROVISIONAL)</b>	H1	-		
2	11		PREAMBLES	H2	-		
2	11		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	11		NOTE:	H3	-		
2	11		This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained.		-		
2	11		These bills are measured based on the Standard System of Measuring Builder's Work 1999 Sixth Edition (Revised). No claims will be entertained for items not covered by the afore mentioned document		-		
2	11		SUPPLEMENTARY PREAMBLES	H2	-		
2	11		Protection of works	H3	-		
2	11		Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.		-		
2	11		Descriptions Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding		-		
2	11		Fixing	H3	-		

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Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	11		Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors, etc. shall be deemed to include 1:3 plaster bedding Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from "Tal Professional" range of products as recommended by the manufacturer of the tiles		-		
2	11		Cleaning of tiles	H3	-		
2	11		Tiling shall be thoroughly cleaned down on completion. No additional costs for cleaning will be entertained		-		
2	11		Availability of tiles	H3	-		
2	11		When pricing tenderers must make sure that there is enough stock available or that enough stock can be obtained timeously of the respective tiles specified		-		
2	11		Cutting of tiles	H3	-		
2	11		All straight and raking cutting and waste must be allowed for in the rates		-		
2	11		Bonding liquid and Keycoats	H3	-		
2	11		All bonding liquids and keycoats must be allowed for in the rates		-		
2	11		Setting out	H3	-		
2	11		Care shall be exercised in setting out the work, the preparation of templets and the checking of the detail drawings. All measurements shall be taken on the site where necessary and the full size setting out of each course shall be done at the yard so as to ensure the proper fitting of each stone		-		

## Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	11		Before putting any work in hand the contractor is to submit to the architect for his approval details of the manner in which he proposes to set out the slabs and joints in all wall facings, pavings, sills, treads, etc together with samples of grain or pattern matching		-		
2	11		Bedding and jointing	H3	-		
2	11		Slate, marble, granite and other floor paving and wall linings are to be bedded solidly on the mortar thickness described and are to have tightly butt joints unless otherwise stated		-		
2	11		Where stonework is to be fixed with adhesive, the adhesive is to be suitable for and compatible with the type of stone. The contractor will be liable for any defects to the slate, marble and granite arising from the use of the adhesive		-		
2	11			UL	-		
2	11		<b>FLOOR TILING</b>	H2	-		
2	11		Porcelain polished floor tile 430 x 430mm and including skirting. 3mm recommended dove grey grout spacing with black or dove grey grout colour. Use Pro-grip flexi grip adhesive. Use Pro Grip Superbond Adhesive, apply evenly with notched trowel. Embed all tiles using rubber mallet. Dont not tile over existing floor finish. Mix tiles from different boxes to minimise shade variation.	H3	-		
2	11	1	On floors and landings	m2	21,63		R -
2	11		<b>WALL TILING</b>	H2			
2	11		Metro white Gloss Ceramic - 200 x 100mm Glazed ceramic tile . 3mm recommended grout spacing with black or dove grey grout colour. Use Pro-grip flexi grip adhesive.	H3			
2	11	2	On walls	m2	1,00		R -
2	11		<b>Carried to Final Summary</b>				R -

## Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	12		<b>BILL NO 12</b>	H1	-		
2	12		<b>PLUMBING AND DRAINAGE(PROVISIONAL)</b>	H1	-		
2	12		PREAMBLES	H2	-		
2	12		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	12		SUPPLEMENTARY PREAMBLES	H2	-		
2	12		General	H3	-		
2	12		The Tender submission must comply with and include all applicable costs for the Performance Requirements, Detail Design Principles, Warranties & Durability, Installation, Submissions, Materials, etc.		-		
2	12		Method of measurement	H3	-		
2	12		The entire document has been measured in accordance to the standard system of measuring building work 1999 (6th Edition) unless otherwise stated.		-		
2	12		Protection of works	H3	-		
2	12		Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.		-		
2	12		"Polycop" polypropylene pipes:	H3	-		
2	12		Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated		-		
2	12		Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions		-		

2	12	All pipe diameters are nominal external		-		
2	12	"Polylink" polypropylene pipes:	H3	-		
2	12	Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron "Supraclamp" running joints		-		
2	12	Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured		-		
2	12	Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double Z joint couplers		-		
2	12	Branch tees shall include flanged and bolted joints to "Polycop" branch pipes in addition and for brass compression male iron to copper straight couplers		-		
2	12	Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reducers shall be of sufficient overall length to accommodate same		-		
2	12	All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions		-		
2	12	All pipe diameters are nominal external		-		
2	12	Concrete pipes:	H3	-		
2	12	Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings		-		
2	12	Vitrified clay pipes:	H3	-		
2	12	Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid		-		
2	12	Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings		-		
2	12	uPVC pipes and fittings:	H3	-		
2	12	Soil, waste and vent pipes and fittings shall be solvent weld jointed		-		

2	12	uPVC pressure pipes and fittings:	H3	-		
2	12	Pipes for water supply shall be of the class stated		-		
2	12	Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings		-		
2	12	Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints		-		
2	12	Copper pipes:	H3	-		
2	12	Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground		-		
2	12	Fixing of pipes	H3	-		
2	12	Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level		-		
2	12	Lead pipes and fittings	H3	-		
2	12	All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel		-		
2	12	Reducing fittings	H3	-		

2	12	Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained		-	
2	12	Wire gratings	H3	-	
2	12	Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings		-	
2	12	Septic tanks	H3	-	
2	12	Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions		-	
2	12	Exposed concrete surfaces	H3	-	
2	12	Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster		-	
2	12	Excavations	H3	-	
2	12	No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling		-	

2	12	"Soft rock" and "hard rock" shall be as defined in "Earthworks"		-		
2	12	Laying, backfilling, bedding, etc. of pipes	H3	-		
2	12	Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions		-		
2	12	Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding		-		
2	12	Flush pans	H3	-		
2	12	Flush pans shall have straight or side outlets and "P" or "S" traps as necessary		-		
2	12	Stainless steel basins, sinks, wash troughs, urinals, etc.	H3	-		
2	12	Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable		-		
2	12	Waste unions	H3	-		
2	12	Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings		-		
2	12	Steel sectional water tanks	H3	-		
2	12	Tanks shall comply with SABS CKS 114		-		
2	12	"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.	H3	-		
2	12	Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described		-		

2	12		Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc		-		
2	12		User note:	H3	-		
2	12		Dependent on soil or environmental conditions laps may require to be increased to a maximum of 55% (which results in a double layer)		-		
2	12		General	H3	-		
2	12		Rates should include for design, supply and installation, including input from an approved wet services contractor, the detail of which will be required by the mechanical engineer.		-		
2	12		Tenderers must take note that the following items are only for tender purposes and will be used as basis and therefore the quantity might change. No claims in this regard will be entertained		-		
2	12			UL	-		
			<b>COUNTERTOP TABLE</b>				
2	12	3	Supply and install a 600mm x 5300mm counter top as indicated including all fasteners and cover stripes	Item	1,00		
2	12		<b>Carried to Final Summary</b>				

**LIM473/GUARD-HOUSES/22/23/031****Construction of four (4) Guard houses at several Municipal Facilities.**

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	13		<b>BILL NO 13</b>	H1	-		
2	13		<b>PAINTWORK (PROVISIONAL)</b>	H1	-		
2	13		PREAMBLES	H2	-		
2	13		The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill.		-		
2	13		SUPPLEMENTARY PREAMBLES	H2	-		
2	13		Method of measurement	H3	-		
2	13		The entire document has been measured in accordance to the standard system of measuring building work 1999 (6th Edition) unless otherwise stated.		-		
2	13		Protection of works	H3	-		
2	13		Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.		-		
2	13		Descriptions of paintwork including undercoats shall be deemed to include undercoats as recommended by the manufacturer of the finishing coats		-		
2	13		Paint specification	H3	-		

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Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	13		The standard specifications for preparation of all the surfaces as well as the minimum application specification for the paint from the following paint manufacturers/suppliers shall be implemented unless otherwise specified. The paints ought to be : 'Plascon' or 'Dulux'. Alternative suppliers may be considered if specification on the quality is submitted to the engineer or client for approval. Minimum preparation requirements; Walls shall be clean, free of oil and grease, shutter release agents, all loose sand and friable surface layers, and have a moisture content less than 15 %. Interior surfaces: Surfaces shall, where indicated, be coated with one coat plaster primer or similar approved for new plaster and two coats synthetic polymer base emulsion paint complying with sans 633, grade 1 or grade 2, as appropriate for the colour selected. The first coat may be thinned with not more than 10 % water. Exterior surfaces: Surfaces shall, where indicated, be coated with one coat primer for new plaster, one undercoat (universal undercoat), and two coats synthetic polymer base emulsion paint for exterior use, complying with SANS 634, as appropriate for the colour selected. The first coat may be thinned with not		-		
2	13			UL	-		
2	13		PAINTWORK, ETC. TO NEW WORK ON:	H2	-		
2	13		FLOATED PLASTER SURFACES	H2	-		

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Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	13		Apply Two coats of stain resistant paint, painted on a Plaster Primer Coat primed on steel troweled plaster to architects approval (Colour : To be confirmed during construction)	H3	-		
2	13	1	Walls	m2	21,63		
2	13		<b>PLASTER BOARD SURFACES WITH</b>	H2	-		
2	13		Two coats of Paint on Primer Coat primed on steel troweled plaster to architects approval.	H3	-		
2	13	2	Ceiling	m2	18,99		
2	13		<b>METAL SURFACES WITH</b>	H2	-		
2	13		One coat water based Plascon MWP1 Metalcare WP primer and two coats gloss "Plascon water based enamel WBE1, WBE2, TWE range" paint.	H3	-		
2	13	3	Door frames	m2	2,07		
2	13		<b>WOOD SURFACES WITH</b>	H2	-		
2	13		Two coats "Plascon Velvagro Polyurethane Enamel" paint Including undercoats:	H3	-		
2	13	4	Doors	m2	10,41		
2	13		Carried to Final Summary				R -

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Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	14		<b>BILL NO 14</b>	H1	-		
2	14		<b>EXTERNAL WORKS</b>	H1	-		
2	14		PREAMBLES	H2	-		
2	14		The Tenderer is referred to the relevant clauses in the separate document 'Model Preambles for Trades' (2008 Edition) and the supplementary preambles hereunder.		-		
2	14		SUPPLEMENTARY PREAMBLES	H2	-		
2	14		Nature of demolitions	H3	-		
2	14		Nature and extentDescription of demolitions give a rough guide only as to the scope of the work. Tenderers are therefore advised to visit the site before submitting a tender and to acquaint themselves with the nature and extent of the work to be done and the value of recoverable materials which are not to be re-used or handed over to the Employer. Unless otherwise stated, loose furniture, kitchen and other equipment, apparatus, machinery, etc. shall remain the property of the Employer and the removal thereof does not fall within the scope of this Contract.The Contractor shall completely demolish the buildings, etc. in a careful, skilful, practical and safe manner down to 1m below surface bed levelDemolition shall include breaking up and removing:all floors and surface bedsall external screen walls, steps, ramps, aprons, surface water channels, rainwater sumps, gulleys, etc. attached to the building to be demolished; all internal services; all services (comprising of water, sewer, electrical. gas. etc.). manholes. etc. in the		-		
2	14		Notices	H3	-		

## Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	14		The Contractor shall, before commencing work, obtain all necessary authorisation for carrying out the work, by whatever means including the use of pneumatic equipment or blasting, give all necessary notices and pay all charges and fees in connection therewith. He shall also comply with all regulations pertaining to rodent extermination and he/she shall obtain the requisite Rodent Extermination Clearance Certificate and pay all necessary fees. All receipts and certificates shall be left in the safekeeping of the Principal Agent. Demolitions shall include all the above mentioned charges and fees. The Contractor shall give ample notice to the Principal Agent and Local Authorities regarding any disconnections necessary prior to the removal or interruptions of electrical or telephone cables, water and sanitary services, etc.		-		
2	14		Loss	H3	-		
2	14		After the handing over of the site to the Contractor, the full risk of any loss or damage to buildings to be demolished shall be the responsibility Contractor and he shall take such precautions as he/she deems necessary against such loss or damage.		-		
2	14		Existing premises occupied	H3	-		
2	14		Portions of the educational facility (outside the demolition line) will remain in operation during the demolition contract. The demolition contractor should therefore ensure that operations should be done with the least amount of disruption.		-		
2	14		Definitions	H3	-		

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Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	14		The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.		-		
2	14		Nature of ground	H3	-		
2	14		A soils investigation has not been carried out. The engineer shall advise upon inspection of the excavations or whether a Geotech report is required. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured.		-		
2	14		Blasting	H3	-		
2	14		No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property.		-		

## Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	14		Dump site	H3	-		
2	14		Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard.		-		
2	14		Carting away of excavated material	H3	-		
2	14		Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.		-		
2	14		Bulking	H3	-		
2	14		No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained.		-		
2	14		Project specifications	H3	-		
2	14		Refer to the Project Specifications on the Engineer's drawings.		-		
2	14		Classes of excavation	H3	-		
2	14		Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: Soft and intermediate excavation as soft excavation Hard rock excavations, which will include unweathered boulders exceeding 20m <sup>3</sup> , and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.		-		
2	14		Prescribed density tests on filling	H3	-		
2	14		Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items.		-		
2	14			UL	-		
2	14		<b>THE FOLLOWING IN APRONS</b>	H2	-		

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Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	14		Earthworks	H3	-		
2	14	1	Excavate in soft excavations in earth for thickenings under aprons, including trimming to splayed sides, and compacting to 93% MOD AASHTO density	m3	2,52		
2	14		Concrete	H3	-		
2	14	2	15 Mpa/19mm reinforced concrete to aprons, etc. laid to falls	m3	2,52		
2	14	3	Finish top surface of concrete aprons with a broomed non-slip surface to falls.	m2	23,05		
2	14		Carried to Final Summary				R -

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Construction of four (4) Guard houses at several Municipal Facilities.

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3	15		BILL NO 15	H1	-		
3	15		PROVISIONAL SUMS, ETC	H1	-		
3	15		SUPPLEMENTARY PREAMBLES	H2	-		
3	15		CASH DISCOUNT	H3	-		
3	15		The following provisional amounts are NET and represent the NET COST of the work described. The contractor shall not be entitled to any discount, percentage or allowance whatsoever on the value of any provisional amount other than the priced value for profit and attendance as provided for. The provisional amounts may be deducted in whole or in part from the contract and are subject to adjustment upon completion		-		
3	15		PROVISIONAL SUMS AND PRIME COST AMOUNTS	H3	-		
3	15		These provisional amounts contain materials to be supplied only or to be supplied and installed by specialists, or work to be executed by specialists or other persons who are selected by the contractor in consultation with the architect. Selected sub-contractors shall receive no other rights or privileges other than the rights and privileges enjoyed by any domestic sub contractor		-		

SECTION	BILL	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3	15		<b>BUDGETARY ALLOWANCES</b>	H3	-		
3	15		This work will be priced and measured in accordance with these bills of quantities		-		
3	15		<b>ELECTRICAL INSTALLATION</b>	H2	-		
3	15	1	Allow the sum of R 60,000.00 (sixty Thousand Rands) for all electrical installation including fittings of all accessories as shown on the plan. ( for four units)	Item	1,00	R 60 000,00	R 60 000,00
2	12		<b>SOIL DRAINAGE</b>	H2	-		
2	12		Work in connection with existing:	H3	-		
2	12	1	Allow for search, locate, excavate and cut into existing sewer manhole for and connect new 160mm diameter drain pipe, including re-working manhole, new half-round channels and making good to manhole, etc.( For four units)	Sum	1,00	R 14 000,00	R 14 000,00
2	12	2	<b>SANITARY FITTINGS</b>				
2	12	2	Allow for the supply, deliver and installation of all sanitary fittings, inclusive of all sundry materials required for the installation, complete as per on the drawings onto the existing line ( for four units)	Sum	1,00	R 100 000,00	R 100 000,00
3	15		Prime cost for additional works required by the client	Prov Sum	1,00	R 70 000,00	R 70 000,00
<b>3</b>	<b>15</b>		<b>Carried to Final Summary</b>				<b>R 244 000,00</b>

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Construction of four (4) Guard houses at several Municipal Facilities.

		BILLED		
ITEM	DESCRIPTION	No. of Guard Houses	AMOUNT	TOTAL AMOUNT FOR 4 GUARD HOUSES
	<b>FINAL SUMMARY</b>			
<b>Bill No</b>			<b>Amount</b>	<b>Amount</b>
1	Preliminaries	4	R -	R -
2	Earthworks	4	R -	R -
3	Foundations, Concrete, Formwork & Reinf	4	R -	R -
4	Masonry	4	R -	R -
5	Waterproofing	4	R -	R -
6	Roof Covering	4	R -	R -
7	Carpentry & Joinery	4	R -	R -
8	Ceilings	4	R -	R -
9	Metalwork	4	R -	R -
10	Plastering	4	R -	R -
11	Tiling	4	R -	R -
12	Plumbing & Drainage	4	R -	R -
13	Paintwork	4	R -	R -
14	External Works	4	R -	R -
15	Provisional Amounts	1	R 244 000,00	R 244 000,00
	<b>Sub Total</b>			
	CONTINGENCIES @ 0%		R -	R -
	<b>Sub Total</b>		R -	R -
	Vat @ 15%	15%	R -	R -
	<b>TOTAL CARRIED TO FORM OF TENDER</b>		R -	R -