

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION NO. 1 BILL No. 1 PRELIMINARY AND GENERAL Note The amount allowed for preliminaries in this section is fixed and will under no circumstances be adjusted Contract Period The period to be allowed for the completion of the works in terms of Clause 20 of the conditions of Contract will be 54 calendar days, exclusive of builders holiday. Allow for preliminaries and general obligations required under this contract, including insurances, site establishment, etc.				
1		Item	1	R 75,000.00	R 75,000.00
2	Occupational Health and Safety Provision for the cost related to the Occupational Health and Safety Act, 85 of 1993, Construction Regulations 2014:				
	(a) Preparation of the Health & Safety plan	sum	1	R 50,000.00	R 50,000.00
	(b) Implementation of Health and Safety Plan over the entire construction period	month	36		
	(c) Health & safety Audits for the duration of the project	sum	36		
TOTAL					

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO. 2 <u>ALTERATIONS</u> Note The amount allowed for preliminaries in this section is fixed and will under no circumstances be adjusted Allow for preliminaries and general obligations required under this contract, including insurances, site establishment, etc. ALTERATIONS Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 102 CPAP purposes GENERAL NOTES SHORT DESCRIPTIONS For further preambles and full descriptions of items not fully described in this Bill, reference must be made to supplementary preambles and descriptions in the other Bills of this Section. Such supplementary preambles and descriptions shall apply equally to the work in this Bill GENERAL 1 In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during alteration work Special care shall be exercised during the progress of the work to ensure that any electrical installations, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Principal Agent if any disconnection or alterations become necessary Any water supply and other piping that may be encountered and which is found necessary to disconnect or cut shall, after such disconnection or cutting has been authorised by the Representative/Agent, be effectively stopped off and any new connections that may be necessary made with the proper tees, junction pieces, etc. to the satisfaction of the Representative/Agent The Contractor shall afford every facility to workmen not under his control making disconnections and new connections as required to any services MATERIALS FROM THE ALTERATIONS, CREDIT, ETC. OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR Old materials from alterations, except where described as to be "re-used" or "handed over" become the property of the Contractor who may allow credit for same where provided for in these Bills of Quantities				

OLD MATERIALS TO BE CARTED AWAY

Old materials from the alterations, where described as to be "removed" as well as all rubbish, etc. must be regularly carted from the site and not be allowed to accumulate on or around the site

OLD MATERIALS NOT TO BE RE-USED

None of the old materials are to be used for new work except where specifically described as being "set aside for re-use"

HANDING OVER OF MATERIALS

Where certain materials or articles from alterations are Principal Agent such material or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor

EXISTING BUILDINGS

The existing buildings will be in use and occupied during the progress of the contract and the Contractor will be required to carry out the works in such a manner as will least interfere with the occupants and with the minimum of disturbance

Contractors are also to note that due to the buildings being occupied the repairs and renovations works will be required to be executed in a specific order as will be determined by the Representative/Agent in conjunction with the Clinic Authorities

SIZE PERTAINING TO EXISTING WORK

The Contractor is advised to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the correctness of sizes of all new work

All sizes given in relation to existing work are approximate

MAKING GOOD DAMAGED WORK

The Contractor shall make good in all trades to existing work where damaged or disturbed through the alterations with all necessary new materials to match the existing

FORMING NEW OPENINGS OR ALTERING OPENINGS IN EXISTING WALLS

Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and forming new brick, in-situ concrete or prestressed concrete lintels, including all reinforcement, formwork, turning pieces, etc., building up jambs or portion of openings as described with brickwork properly toothed and bonded to existing, building cavities of hollow walls solid where necessary and making good finishes all round on both sides and into reveals as described

BUILDING UP OPENINGS

Descriptions of building up existing openings where given in number shall be deemed to include preparing existing surfaces all around, brickwork properly toothed and bonded to existing, wedging up and making good on both sides as described

PAINTWORK

Where plasterwork on walls, ceilings, etc. are required to be patched or made good, prices are to include for the appropriate priming coat and one coat undercoat to receive paint finishing coats which are measured elsewhere

The contractor must protect all work not removed such as walls, floors, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so.

All shoring, etc. of portions of the existing buildings necessary to ensure the stability of the premises while executing the demolitions or alterations is to be provided by the contractor, who will be held solely responsible for any damage to persons or property and for safety of the structure throughout the contract period. The contractor will be required to make good at his own expense any damage that may occur.

Tenderers are advised to visit the site before tendering and satisfy themselves as to the nature and extent of the works, means of access to the site and availability of working space. No claims will be entertained due to the tenderer having failed to comply with the above conditions.

The descriptions in the items are given as a guide and to assist contractors in tendering, but not necessarily accurate or complete. Contractors must verify the items by personal inspection on the site.

Unless otherwise stated the contractor shall not remove or interfere with any furniture, furnishings, fittings or similar articles belonging to the Employer and /or their staff.

PROCEDURE OF WORK

The Principal Agent reserves the right to direct the order in which the contract will be executed, should circumstances necessitate such action.

LOSS BY THEFT, FIRE OR OTHERWISE

The risk of loss, theft, fire, storm, riot or otherwise of the buildings to be demolished and the materials therein shall rest entirely with the contractor immediately upon the handing over of the site. He shall take such steps as he may deem fit for his own protection against such loss.

Water and other piping

Any water supply or other piping that may be met with and found necessary to disconnect or cut are to be effectually stopped off or grubbed up and removed and any new connections that may be necessary and are to be made with proper fittings and to the satisfaction of the Architect to whom due notice is to be given all alterations to existing services.

Prices for items of demolitions, are where applicable, to include for taking out and removing all sanitary fittings, plumbing and water supplies.

Electrical and other services

Special care is to be exercised not to unnecessarily interfere with any electric light, bell, power, telephone or other wires and fittings that may be met with and due notice must be given to the Architect when any disconnections, removals, diversions, interruptions, etc. are necessary and the contractor is to afford every facility to the workmen carrying out this work.

The contractor must protect all work not removed such as walls, floors, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so.

All shoring, etc. of portions of the existing buildings necessary to ensure the stability of the premises while executing the demolitions or alterations is to be provided by the contractor, who will be held solely responsible for any damage to persons or property and for safety of the structure throughout the contract period. The contractor will be required to make good at his own expense any damage

that may occur.

Existing buildings occupied

Tenderers are advised that the existing buildings will be in occupation during the building operations and due allowance must be made for the work being carried out in such a manner as will least interfere with the general routine of the occupants.

Adequate warning must be given if a particular section of the building has to be evacuated to carry out the work.

Noise prevention

The contractor shall take special care to minimise noisy operations during business hours. Such measures will include, inter alia, the use of silent compressors and strict control of workmen.

The contractor shall demolish the portions of existing structures or buildings with a minimum amount of damage to adjoining buildings, materials, pavings, etc. Any damage caused is to be made good at his own expense with materials to match the existing to the entire satisfaction of the Architect.

Tenderers should take particular note of and allow accordingly in their prices for the type of structure and materials to be encountered and the thickness of walls, concrete slabs, etc. to be demolished.

Unless otherwise described all materials arising from the demolitions and alterations are to become the property of the contractor and he is to allow a credit for the same as provided for on the final summary page. These materials, including all rubbish and debris shall be immediately carted away and the site left clean and unencumbered. None of the old brick from the demolitions are to be re-used for any new brickwork.

Bricking up, altering or breaking new opening in existing walls

Where the Contractor is required to form openings, alter openings or brick up openings in existing walls all brickwork shall be made good at jambs including properly bonding to existing. Brickwork in bricking up openings shall be wedged and pinned up to brickwork or concrete over in cement mortar.

Cement screeds, pavings, granolithic, etc. in openings are to be levelled and prepared for raising of brickwork. Plaster to reveals to openings are to have all external angles rounded and making good of finishes is to include for junction with existing finishes.

Where openings are described as having new brick lintols they are to be with minimum 220mm end bearings and prices are to include for brick reinforcement to suit the width of the wall. Lintols are to be three courses high up to span of 1000mm and four courses high up to span of 1000mm and four courses high when exceeding that span and brickwork is to be built in 1:3 cement mortar. Where openings are described as having precast prestressed concrete lintols they are to be with minimum 220mm end bearings of 30 MPa concrete. One prestressed lintol for each half brick thickness is required and is to be reinforced with and including all necessary high tensile wire.

Making good, etc.

Prices are to include for making good in all trades to existing work, where damaged or disturbed through alterations, with all necessary new materials to match existing and leave complete and perfect in every respect.

REMOVAL OF EXISTING WORK

Breaking down and removing walls

3	One brick wall	m ²	1		
	Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes				
4	Stove	No	1		
	PREPARATORY WORK TO EXISTING SURFACES				
5	Ceilings to receive new ceilings	m ²	1		
6	Cutting out joints of existing brickwork to receive plaster	m ²	1		
7	Making good defects in existing screeded floors.	m ²	1		
	MAKING GOOD OF FINISHES ETC				
	Making good brickwork				
8	Walls where one brick walls are removed	m ²	1		
	Making good concrete soffits and floors				
9	Concrete where one brick walls are removed	m ³	1		
10	Defects in existing floors and prepare floors for new finish.	m ³	1		
TOTAL					

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO. 3 EARTHWORKS Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 104 CPAP purposes SUPPLEMENTARY PREAMBLES Nature of ground Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes Carting away of excavated material 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 Filling Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material SITE CLEARANCE Site Clearance				
11	Stripping average 100mm thick layer of top soil and depositing material in prescribed stock piles on site.	m ²	1		
	EXCAVATIONS Excavation in earth not exceeding 2m deep				
12	Trenches	m ³	1		
	Extra over trench and hole excavations in earth for excavation in				
14	Soft rock	m ³	1		
15	Hard rock	m ³	1		
	Extra over trench and hole excavations in earth for breaking up and removing				
17	Unreinforced concrete	m ³	1		
	Extra over all excavations for carting away				
19	Surplus material from excavations and/or stock piles on site to a dumping site situated approximately 10km from the building site	m ³	1		
	Risk of collapse of excavations				

20	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	1			
	Keeping excavations free of water					
21	Keeping excavations free of water	Item	1			
	FILLING ETC					
	Earth filling obtained from the excavations and/ prescribed stockpiles on site compacted to 95% Mod ASSHTO density					
22	Backfilling to trenches,holes etc	m ³	1			
	Earth filling supplied by the contractor, compacted to 93% Mod AASHTO density					
23	Under floors, steps, pavings, etc	m ³	1			
	Prescribed density tests on filling					
24	Modified AASHTO Density test	No	1			
	SOIL POISONING					
	Soil insecticide					
25	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m ²	1			
26	To bottoms and sides of trenches etc	m ²	1			
27	Furmigating	m ²	1			

TOTAL				
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MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
28	SECTION NO. 2 BUILDING WORKS BILL NO 4 CONCRETE, FORMWORK AND REINFORCEMENT Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 110 CPAP purposes SUPPLEMENTARY PREAMBLES Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately) Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself. Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks" CONCRETE UNREINFORCED CONCRETE FOUNDATIONS UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES 15Mpa/20mm concrete				
	Steps	m ³	1		

	25MPa/20mm concrete				
29	Surface beds cast in panels on waterproofing	m ³	1		
	REINFORCED CONCRETE				
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	30MPa/20mm concrete				
30	Strip footings	m ³	1		
	SUPERSTRUCTURE				
	REINFORCED CONCRETE				
35	Slabs, including beams and inverted beams	m ³	1		
37	Stairs, including landings, beams and inverted beams	m ³	1		
	TEST CUBES				
39	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	No	1		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a power float				
40	Surface beds, slabs, etc	m ²	1		
	FORMWORK				
	Rough formwork to sides				
46	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	1		
	Rough formwork to soffits				
47	Slabs propped up exceeding 1500 but not exceeding 3500mm high	m ²	1		
	MOVEMENT JOINTS ETC				
	Saw cut joints				
48	3mm wide x 30mm deep saw cut joints on top of concrete	m	1		
	Vertical joggle construction joints through concrete, including thick cement slurry to one face (sealing compound, backing cord, bond breaker, etc, measured elsewhere)				
49	Surface beds not exceeding 300mm thick	m	1		
	Isolation joints (sealing compound, backing cord, bond breaker, etc, measured elsewhere)				
50	Isolation joint in surface beds, 6mm x 20mm deep	m	1		
	REINFORCEMENT				
	Mild steel reinforcement to structural concrete work				
51	Mild Steel 10mm Diameter bars	t	1		

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MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO: 5 MASONRY Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 118 CPAP purposes SUPPLEMENTARY PREAMBLES BRICKWORK Sizes in descriptions Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick Hollow walls etc Descriptions of hollow walls shall be deemed to include wall ties and leaving every fifth perpend of the bottom course of the external skin open as a weep hole Reinforced brick lintels Lintels shall bear at least 160mm onto adjacent walling. Where such bearing cannot be obtained due to the proximity of adjacent openings the lintel shall be continuous Face bricks Bricks shall be ordered timeously to obtain uniformity in size and colour Pointing Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc SUBSTRUCTURE Brickwork of NFP bricks 1(4mpa minimum compressive strength) in class II mortar 56 One brick walls m ² 1 57 335mm double walls m ² 1 SUPERSTRUCTURE Brickwork of NFP bricks (14mpa minimum compressive strength) in class II mortar 59 Half brick walls m ² 1 60 One brick walls m ² 1 61 340mm double walls m ² 1 Brickwork reinforcement built in horizontally				

63	75mm Wide reinforcement built in horizontally	m	1		
64	150mm Wide reinforcement built in horizontally	m	1		
	Pre-cast lintels, prestressed with wires, as required for spans including building in over opening				
66	110 x 75mm Lintels in lengths not exceeding 3m	m	1		
67	220 x 75mm Lintels in lengths exceeding 3m and not exceeding 4,5m	m	1		
	Turning pieces				
69	230mm Wide turning piece to lintels etc	m	1		
	Galvanised wire ties etc				
70	4mm Diameter roof tie 2m girth bent double with one end fixed to timber and other end built into brickwork	No	1		
	Galvanised hoop iron cramps, ties, etc				
71	40 x 1,6mm "Tibond" wall tie strips shot pinned to concrete and with ties bent out and built into brickwork	m	1		
	WINDOW CILL ETC.				
	Nutec fibre cement window sills size 15mm x 150mm widebedded in according to standard everite ixing				
72	On windows	m	1		
	FACE BRICKWORK				
	Approved face bricks (purchase price of R 4700/1000 bricks delivered on site, including VAT) pointed with recessed horizontal and vertical joints				
	Extra over brickwork for face brickwork.	m ²	1		
TOTAL					

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 6				
	WATERPROOFING				
	Notes:				
	Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill				
	Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 120 CPAP purposes				
	SUPPLEMENTARY PREAMBLES				
	Waterproofing				
	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				
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer of 375 micron embossed damp proof course				
76	In walls	m ²	1		
	One layer of 250 micron waterproof sheeting sealed at laps with Gunplas Pressure Sensitive Tape				
77	Under surface beds	m ²	1		
	WATERPROOFING TO ROOFS, BASEMENTS, ETC				
	Three layers bituminous sheeting in accordance with SABS specification 92 and SABS code of practice 021				
78	On roofs, slope not exceeding 25 degrees from the horizontal	m ²	1		
79	On bottoms and sides of box gutters	m ²	1		
81	Side flashing 200mm girth	m	1		
	PROTECTIVE ROOFING PAINT				
	Two coats bituminous aluminium paint 4mm Uni - torch membrane on coldbond 90 bituminous primer				
82	On waterproofing to roof slabs	m ²	1		
	JOINT SEALANTS ETC				
	Silicone sealing compound including backing cord, bond breaker, primer, etc				
84	6 x 10mm in saw cut joints in floors	m	1		
85	10 x 10mm sealant in isolation joint	m	1		
	TOTAL				

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 7				
	CARPET				
310	Repairing of carpet	m²	1		

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO. 8 ROOF COVERINGS ETC Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 124 CPAP purposes SUPPLEMENTARY PREAMBLES Straight cutting Descriptions of all roof coverings are deemed to include for all straight cutting PROFILED METAL SHEETING AND ACCESSORIES Roof coverings 420 x 332mm Terracota concrete roof tiles plugged to timber purlins				
86	On roofs not exceeding 25 degrees pitch Extra over roof covering	m ²	1		
87	Extra over roof covering for ridge capping 550mm girth	m	1		
88	Extra over roof covering for valley board 550mm girth	m	1		
	Extra over roof covering for valley board 550mm girth	m	1		
89	Standard side wall flashing 185mm girth	m	1		
	INSULATION Insulation board				
90	25mm Sagex rigid ceiling insulation fixed to the underside of the roof sheet.	m ²	1		

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORK BILL NO. 9 CARPENTRY AND JOINERY Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 126 CPAP purposes SUPPLEMENTARY PREAMBLES Joinery Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes Fixing Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete All softwood to be South African Pine ROOF TIMBER Sawn softwood				
91	38 x 114mm Wall plates	m	1		
92	38 x 114mm Bracing	m	1		
93	38 x 114mm King posts	m	1		
94	38 x 114mm Tie beam	m	1		
95	38 x 114mm Rafters in lengths exceeding 6,6m	m	1		
96	50 x 75mm Purlins	m	1		
	EAVES, VERGES, ETC				
	Pressed fibre-cement				
97	12 x 225mm Fascias and barge boards, including aluminium H-profile jointing strips	m	1		
	SKIRTINGS				
	Wrought meranti				
98	20 x 70mm skirtings, including 19mm quadrant beads, plugged	m	1		
	DOORS, ETC				
	Solid core meranti doors with exposed hardwood edge strips hung to steel frames				
99	44mm thick semi solid hardwood Door 813 x 2032mm high with 3.2mm tempered hardboard facings and 3mm thick glassview panel(400mm x 400mm) with meranti glazing beads and hardwood lipped on all edges	No	1		
	Slidig doors				
103	2760 x 1500 x 63mm technal galane thermal break sliding panel	No	1		

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL No. 10 CEILINGS, PARTITIONS AND ACCESS FLOORING Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No.129 CPAP purposes SUPPLEMENTARY PREAMBLES Descriptions Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete 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 are measured elsewhere Proprietary suspended ceilings Electric light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance shall be made accordingly for their support, inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing shall take cognisance thereof) Drywall partition systems Drywall partitions shall comprise 63,5mm top and bottom galvanised steel tracks with 63,5mm galvanised steel vertical studs at maximum 600mm centres, friction fitted or pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc and covered as described with wallboard screwed to studding with "Drywall" screws at maximum 220mm centres. Boards shall be butt jointed and finished with "Rhino" tape and "Readymix D" jointing compound all in accordance with the manufacturer's instructions, complete with flat section aluminium skirtings. Intersections and abutments are measured separately and descriptions shall be deemed to include any additional studs, corner beads, jointing compound Demountable partition systems Demountable partitions are to have overall thickness of 76mm, comprising 50mm wide galvanised steel tracks and studs with one layer of 12,7mm gypsum plasterboard in 1,20m modules on each side and flat section aluminium skirtings and recessed aluminium cornices. The panels shall be covered with "Donn" paper backed vinyl wall cladding wrapped around edges. Aluminium door frames and glazing sections, skirtings, cornices, etc shall be natural anodised aluminium. The partitions shall be erected in accordance with the manufacturer's instructions				

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO. 11 FLOOR COVERINGS, PLASTIC LININGS, ETC Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 130 CPAP purposes SUPPLEMENTARY PREAMBLES All materials shall be in colours to be selected by the Principal Agent and, where applicable, laid to approved patterns FLOOR COVERINGS TIMBER FLOORS 20mm oggie timber flooring to manufacture's details				
121	On floors	m ²	1		
	CARPET FLOORS Quartz carpet floor laid o 50mm screed				
	On floors	m ²	1		
	Polyflor carpeting				
	Polyflor, 9mm thick, Boulevard 6000 Primary barrier matting,	m ²	1		
	POLISH, SEALERS, ETC Three coats wax polish				
122	On timber floors	m ²	1		
TOTAL					

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 12				
	IRONMONGERY				
	Notes:				
	Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill				
	Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 132 CPAP purposes				
	SUPPLEMENTARY PREAMBLES				
	Finishes to ironmongery				
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:				
	BS Satin bronze lacquered CH Chromium plated				
	SC Satin chromium plated				
	SE Silver enamelled				
	GE Grey enamelled				
	AS Anodised silver				
	AB Anodised bronze				
	AG Anodised gold				
	ABL Anodised black				
	PB Polished brass				
	PL Polished and lacquered				
	PT Epoxy coated				
	SD Sanded				
	HINGES, BOLTS, ETC				
123	DORMA DBB-SS-009mm SS two ball bearing butt hinge (stainless steel)	No	1		
124	Hillaldam straightaway 200A/GL, top hung sliding hardware for frameless glass doors with top rail	No	1		
	LOCKS				
129	Dorma D036S euro - profile cylinder sash lock (stainless steel)	No	1		
	HANDLES				
141	DORMA LRS129 SS lever handles (stainless steel)	No	1		
	SUNDRIES				
158	DDS-NP-018 nickel-plated floor mounted door stop	No	1		
159	3 x 25mm Brass dividing strip between different floor finishes	m	1		
	BATHROOM FITTINGS				
160	Chromium plated thief proof toilet roll holders	No	1		
161	600mm long towel rail including brackets	No	1		

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MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO. 13 METALWORK Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 136 CPAP purposes SUPPLEMENTARY PREAMBLES Descriptions Descriptions of bolts shall be deemed to include nuts and washers Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described STEEL HANDRAILS Welded handrails				
194	50mm diameter x 2mm thick horizontal hollow section continuous rails welded to 300mm high 20 x 20mm steel supports bolted to brickwork or concrete at 1300mm centres including all bolts and accessories	m	1		
195	Extra for closed end	No	1		
	STEEL BALUSTRADES Welded mild steel balustrading to walkways and stairs				
196	Horizontal balustrading to staircases 1000mm high constructed of 45 x 45 x 2mm square hollow section continous top and bottom rail, 20 x 20 x 2mm square section intermediate balusters at 104mm centres between top and bottom rails and 45 x 45 x 2mm square hollow section posts at approximately 1500mm centres each with 120 x 120 x 6mm flat section base plate bolted to concrete with and including 150 x 45 x 5mm flat bar welded to end of frame fixed to wall or floor with expansion bolts all to the approval of the Principal Agent.	m	1		
	STEEL GATES, SCREENS,ETC				
198	Powder-coated galvanised steel security gate fixed to steel frame (elsewhere) including all rivets, tracks, brackets, locks etc overall size 1500 x 2750mm high	No	1		
	Powder-coated galvanised steel security gate fixed to steel frame (elsewhere) including all rivets, tracks, brackets, locks etc overall size 800 x 1200mm high	No	1		

	Powder-coated galvanised steel security gate fixed to steel frame (elsewhere) including all rivets, tracks, brackets, locks etc overall size 1432 x 2856mm high	No	1		
	DOOR FRAMES, DOORS, WINDOWS, ETC				
	1.6mm pressed steel sheet single reate door frame with 52 x 52mm reate suitable for 220mm wall				
	Frame for door size 2032 x 813 x 46mm	No	1		
	ALUMINIUM DOOR FRAMES				
	2135 x 13mm sheerline aluminium frames suitable for half brick walls				
199	Frame for door size 913 x 2135mm high	No	1		
	2135 x 13mm single aluminium frames suitable for half brick walls				
	Frame for door size 813 x 2032 mm high	No	1		
	Top hug sliding system				
199	Frame for door size 900 x 2050mm high	No	1		
	Technal galane thermal break sliding panel				
201	Frame for door size 1800 x 2100mm high	No	1		
202	Frame for door size 3000 x 2700mm high	No	1		
	ALUMINIUM WINDOWS, DOORS, ETC				
	Purpose made sheerline aluminium framed windows with powdercoat finish to SABS 999-1986 and 4mm clear glazing to be strictly in accordance to SABS 0137, All aluminium sections to comply with AAAMSA and manufacturers specification .				
206	600x 900mm High	No	1		
207	600x 1200mm High	No	1		
208	680 x 900mm High	No	1		
209	900 x 600mm High	No	1		
210	900 x 900mm High	No	1		
211	930 x 1550mm High	No	1		
212	1200 x 1200mm High	No	1		
213	1650x 1200mm High	No	1		
214	1800 x 1550mm High	No	1		
215	2100 x 2400mm High	No	1		
216	2400 x 3750mm High	No	1		
217	2856 x 4348mm High	No	1		
218	4495 x 490mm High	No	1		

Purpose made thermal aluminium framed windows with powdercoat finish to SABS 999-1986 and 4mm clear glazing to be strictly in accordance to SABS 0137, All aluminium sections to comply with AAAMSA and manufacturers specificaltion .					
213	2017 x 5100mm High	No	1		
TOTAL					

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO. 14 PLASTERING Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 142 CPAP purposes SUPPLEMENTARY PREAMBLES GRANOLITHIC Method The method used shall be either the monolithic method or the bonded method Preparation For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic Mix Granolithic shall remain a compressive strength of at least 41Mpa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic Panels Granolithic shall be laid in panels not exceeding 14m² for monolithic finishes, not exceeding 9.5m² for bonded finishes and not exceeding 6m² for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1.5 times its width Where possible joints between panels shall be positioned over joints in the floor slab and shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints				

	Laying Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated Curing, seasoning and protection Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour SCREEDS Screeds wood floated, on concrete Sand Cement (3:1) Screed to Floors:				
219	30mm thick to receive porcelin finish INTERNAL PLASTER One coat 12 mm thick, 1:5 Cement plaster finished smooth with a steel trowel	m ²	1		
220	On walls	m ²	1		
221	On narrow widths not exceeding 300mm wide	m ²	1		
	One coat 12 mm thick, 1:5 Cement plaster finished smooth with a steel trowel				
222	On concrete soffits	m ²	1		
	EXTERNAL PLASTER				
	One coat 12 mm thick, 1:5 Cement plaster finished smooth with a steel trowel				
225	On Walls	m ²	1		
226	On narrow widths	m ²	1		
TOTAL					

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL No. 15 TILING Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 144 CPAP purposes SUPPLEMENTARY PREAMBLES Fixing 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 Tiling described as "fixed with adhesive on powder floated concrete" shall be deemed to include for approved tiling key-coat Ceramic, porcelain, marble and garnite tiles are to be fixed and grouted with suitable adhesives and grouts from the "Tal Professional" range of products as recommended by the manufacturer of the tiles WALL TILING 150 x 150mm polished porcelain tiles 228 On walls m ² 1 250 x 600mm polished porcelain tiles On walls m ² 1 300 x 600mm polished porcelain tiles On walls m ² 1 Gloss mosaic tiles (sizes to be specified by the principal agent) On walls m ² 1 FLOOR TILING 150 x 150 x 10mm polished porcelain floor tiles fixed to screed with adhesives and flush pointed with waterproof jointing compound. 230 On Floors and landings m ² 1 150 x 600 mm polished porcelain floor tiles fixed to screed with adhesives and flush pointed with waterproof jointing compound. On Floors m ² 1 300 x 300 mm polished porcelain floor tiles fixed to screed with adhesives and flush pointed with waterproof jointing compound. On Floors m ² 1 350 x 500 mm polished porcelain floor tiles fixed to screed with adhesives and flush pointed with waterproof jointing compound.				

[illegible]

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO. 16 PLUMBING AND DRAINAGE Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 148 CPAP purposes SUPPLEMENTARY PREAMBLES Wire gratings Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings Stormwater channels Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc, and disposal of surplus material on site French drains Descriptions of french drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, geofabric filter blanket over stone, 300mm earthfilling over and disposal of surplus material on site Septic tanks Descriptions of proprietary type 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 and disposal of surplus material on site Stainless steel basins, sinks, wash troughs, urinals, etc Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0) Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be Type 304 (18/8) Stainless steel for laboratory sinks, photographic equipment, etc shall be Type 316 (18/8) Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable Sealing of edges Outer edges of sinks, basins, baths, urinals, etc are to be				

sealed against adjacent surfaces with approved silicone

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

uPVC pressure pipes and fittings

Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings

Pipes of 63mm 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

High density polyethylene (HDPE) pipes and fittings

Pipes shall be type IV and of the class specified with Compression fittings

Polypropylene pipes

Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with Fast-fuse heat welded thermoplastic or where so described compression fittings

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

Copper pipes

Pipes shall be hard drawn and half-hard pipes of the class described. 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 of an approved type. Capillary solder fittings shall comply with ISO 2016

Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition

Reducing fittings

Where fittings have reducing ends or branches they are described as "reducing" and 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

Fixing of pipes

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

Paper wrapping to pipes

Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings

Disinfection of water pipework

Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)

Petrolatum anti-corrosion tape

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied in the appropriate widths and with 15% overlaps

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including mastic, tape, Layflat sheeting, securing of same, etc

Prices for wrapping of pipes shall include for all work as described to couplings in the length

Laying, backfilling, bedding, etc of pipes

Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled

Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following:

SABS 1200L : Medium-pressure pipelines

SABS 1200LD: Sewers

SABS 1200LE: Stormwater drainage

Pipe trenches, etc shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB :

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 1200LB : Bedding (Pipes)				
	Unless otherwise described bedding of rigid pipes shall be				
	Class B bedding				
	General				
	Descriptions of cast iron roof outlets shall be deemed to				
	include joints to pipes and casting into concrete (adaptors				
	for joints to PVC pipes, etc are given separately)				
	Descriptions of overflow pipes where measured in number,				
	shall be deemed to include joints to cisterns and splay cut				
	ends				
	Descriptions of pipes laid in and including trenches and of				
	inspection chambers, catchpits, etc shall be deemed to				
	include excavation, bedding, backfilling, compaction to a				
	minimum of 95% Mod AASHTO density and disposal of				
	surplus material on site				
	Descriptions of service pipes and flexible connecting pipes				
	shall be deemed to include connections to taps, cisterns, etc				
	and to steel pipes (adaptors for connections to copper				
	pipes, etc are given separately)				
	Descriptions of WC pans, slop hoppers, etc shall be				
	deemed to include for joints to soil pipes (pan connectors				
	are separately measured)				
	As-built drawings				
	Where required, the contractor shall prepare an updated set				
	of as-built drawings. At completion of the contract the				
	contractor shall hand these drawings to the principal agent				
	for reproducing onto the originals for handing over to the				
	employer (provision for allowance of as-built drawings				
	elsewhere)				
	RAINWATER DISPOSAL				
	0,6mm Galvanised sheet iron				
233	50 x 100 x 1.5mm Galvanised sheet iron eaves gutters	m		1	
234	150mm diameter downpipes	m		1	
	Extra over gutter				
235	100mm Stopped end	No		1	
236	150mm diameter outlets for downpipes	No		1	
	PUMP				
238	maintenance of clearwater pumps as specified	No		1	
	SANITARY FITTINGS				
241	Cobra Marseille wall hung toilet washdown WC suite comprising 90 degrees outlet open rim pan [product code WC - 227 -000] to manufacture's specifics	No		1	

242	Rosco pointed oval basin (to the manufacture's specifications) intergrated overflow to SABS specification fixed to walls with steel brackets and and expansion bolts.	No	1		
250	Free standing bath, size 1600 x 850mm wide bath (product code 32314000)	No	1		
250	Free standing bath, size 1700 x 750mm wide bath (product code 32314000)	No	1		
251	Curvlin franke stainless steel sink 860 x 435mm sunbird (Product Code 310372) surface mounted vanity basin with one taphole and intergrated overflow to SABS specification CVN620 fixed to walls with steel brackets and and expansion bolts.	No	1		
WASTE UNIONS ETC					
252	32mm Slotted waste and chain	No	1		
253	32 mm diameter chromium plated outlet, slotted with backnut plug and chain as cobra 301	No	1		
TRAPS ETC					
254	30mm P trap	No	1		
255	40 mm chromium plated bottle trap (code 360)	No	1		
256	40 mm chromium plated bottle trap (code 350)	No	1		
257	32mm lagged bottle trap	No	1		
TAPS, VALVES, ETC					
258	225mm Hansgrohe Axor Uno ² with pop-up waste set (Product Code 3811 4000)	No	1		
260	Hansgrohe talis S ² 4-hole bath rim mounted bath mixer (Product code 3231400)	No	1		
	Hangrohe raindance select E 360 1jet shower pipe (Product code 27112400)	No	1		
SANITARY PLUMBING					
uPVC pipes					
266	40 mm diameter pipe	m	1		
267	50 mm diameter pipe	m	1		
268	110mm Pipe laid in and including trench excavation not exceeding 1m deep including backfilling with selected granular fill in bedding and filling around pipes	m	1		
Extra over uPVC pipe					
269	40mm junction	m	1		
270	40mm bend	No	1		
271	40 mm Nipple	No	1		
272	50mm bend	No	1		
273	50mm junction	No	1		
274	50mm reducing junction	No	1		
275	110 mm Reducer with anti-syphon horn	No	1		
276	110mm bend	No	1		
277	110 mm Straight pan connector	No	1		
278	110 mm Reducing junction	No	1		
279	Vent cowl and setting in top of 110 mm diameter pipe	No	1		
Sundries					
280	Testing waste pipe system	Item	1		

	WATER SUPPLIES				
	Copper Tubing Class 2 - Hard Drawn (SABS 460 as Amended), Including Jointing and Slip or Straight Couplers and with Capillary Copper Tube Fittings (Measured Separately):				
	Class 0 thin wall hard drawn copper pipes and fittings with capillary soldered type connections				
281	22mm Pipes	m	1		
	Extra over class 0, copper pipes for soldered capillary fittings				
282	22mm, fittings	No	1		
	ELECTRIC HOT WATER HEATERS: GEYSERS TO COMPLY WITH SABS 151				
286	100 litre standard horizontal 600i wall mounted high dua electric water heater code EF-200-2D-I complying with SABS 151-2002, size 1380 x 535mm high fitted with isolator switch operating at 600kpa with temperature and pressure control valve including 20mm female draincock with inlet compression with 1560 x 22mm pipework including two vacuum breaker installed on hot or cold supply.All in accordance with SANS 10254 connected to a single phase electrical power supply.	No	1		
287	22 mm Approved pressure control valve with integral expansion relief	No	1		
	TEST				
291	Provide all necessary apparatus, water, etc. for and test the whole of the Sanitary Plumbing and Water Supply installation to the satisfaction of the Principal Agent and the Local Authority, rectify all defective work free of charge and leave in perfect other	Item	1		
TOTAL					

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO. 17 GLAZING Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 150 CPAP purposes SUPPLEMENTARY PREAMBLES Float glass The term "float glass" is used for monolithic annealed glass Laminated glass Laminated glass to have polyvinyl butyral (PVB) interlayer(s) GLAZING TO WOOD WITH PINNED-ON BEADS (BEADS ELSEWHERE) 4mm Obscure glass				
292	Panes exceeding 0,1m2 and not exceeding 0,5m2 TOPS, SHELVES, DOORS, MIRRORS, ETC 6mm silvered float glass copper backed mirrors fixed to wall with 4 No. chromium plated domical mirror screws	m²	1		
293	450 x 600mm high mirrors	No	1		
TOTAL					

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2 BUILDING WORKS BILL NO. 18 PAINTWORK Notes: Tenderers are advised to study the 'General Specification for Material and Methods to be used for Building Contracts' GP/ASC before pricing this Bill Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 152 CPAP purposes SUPPLEMENTARY PREAMBLES DESCRIPTIONS Descriptions of paintwork shall be deemed to include for all cutting in PREPARATORY WORK TO EXISTING WORK Previously painted plastered surfaces Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth Previously painted metal surfaces Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal Previously painted wood surfaces Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth PAINT SPECIFICATIONS All painting shall be done in accordance approved specifications PAINTWORK, ETC TO NEW WORK ON INTERNAL FLOATED PLASTER SURFACES WITH Two coats interior quality emulsion paint in accordance with SABS specification 633.0				
294	Internal walls	m ²	1		
	EXTERNAL FLOATED PLASTER SURFACES One coat alkali resistant plaster primer, one undercoat and two final coats of super acrylic fine textured emulsion paint on				
295	External walls	m ²	1		
	SMOOTH CONCRETE SURFACES WITH				
297	Ceilings and beams	m ²	1		

	PLASTER BOARD SURFACES WITH				
	One coat bonding liquid, one undercoat and two coats interior quality emulsion paint in accordance with SABS specification 633.0				
298	Ceilings and Cornices	m ²	1		
	FIBRE-CEMENT SURFACES				
	Two coats pure acrylic paint on				
299	Fascias and barge boards	m	1		
	METAL SURFACES WITH				
	One coat zink phosphate, one coat universal undercoat and two coats high gloss enamel paint on galvanised steel				
300	Eaves gutters	m	1		
301	Down water pipe	m	1		
	One coat zink chromate primer UC 53 One galvogrip metal primer and two coats of velvagio polyurethane enamel				
302	Door frames	m ²	1		
	WOOD SURFACES WITH				
	One coat spik and span oil based wood primer UCS2 + two coats velvagio polyurethane enamel vlo				
303	Doors	m ²	1		
	Wood filler, one coat spik and span woodshield diluted with mineral turpentine				
304	Doors	m ²	1		
	PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK				
	INTERNAL FLOATED PLASTER SURFACES				
	One base coat alkali resistant plaster primer and two coats matt-finished PVA acrylic emulsion paint on				
305	Walls	m ²	1		
TOTAL					

MAINTANANCE OF MUNICIPAL FACILITIES					
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	SECTION NO. 2				
	BUILDING WORKS				
	BILL NO. 19				
	CONCRETE PAVEMENT BLOCK				
306	Concrete Pavement Blocks installation of concrete interlocking pavemnent blocks Class 30 S-A to SABS 1058, Grey,in herringbone pattern	m²	1		
307	Bedding Sand Approved herbicidi and Ant poisoning	m²	1		

SUMMARY OF THE BILL NUMBERS CONTRACT No.: LIM473/REPAIR AND MAINTENANCE-MUNI/1/19/20/27		
BILL No.	DESCRIPTION	AMOUNT(RANDS)
1	PRELIMINARY AND GENERAL	
2	ALTERATIONS	
3	EARTHWORKS	
4	CONCRETE, FORMWORK	
5	MASONRY	
6	WATERPROOFING	
7	CARPET	
8	ROOF COVERINGS ETC	
9	CARPENTRY AND JOINERY	
10	CEILINGS, PARTITIONS AND ACCESS	
11	FLOOR COVERINGS, PLASTIC LININGS, ETC	
12	IRONMONGERY	
13	METALWORK	
14	PLASTERING	
15	TILING	
16	PLUMBING AND DRAINAGE	
17	GLAZING	
18	PAINTWORK	
19	CONCRETE PAVEMENT BLOCK	
20	CALCAMITE SANITARY SYSTEM AND PIT TOILETS	
SUBTOTAL		
VALUE ADDED TAX The Tender shall add 15% of the subtotal for the value added tax		
TENDER SUM CARRIED TO FORM OF TENDER(PAGE C1.1)		