

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<p><b>BILL NO. 1</b></p> <p><b>PRELIMINARIES</b></p> <p>NOTES: i) The NEC3 Engineering and Construction Contract - Option B: Priced contract with bill of quantities (Third edition of June 2005 with amendments June 2006) in conjunction with the Contract Data is taken to be incorporated herein</p> <p>ii) The Tenderer is deemed to have taken cognizance of the abovementioned documents for the full intent and meaning of each clause. These clauses are referred to by clause number and heading only</p> <p>iii) Where standard clauses or options are not applicable to this contract such modifications, corrections or supplements as are necessary, are given under each relevant clause</p> <p>iv) Where any items are not used for this specific contract such items are nevertheless listed but marked not applicable in the amount column</p> <p>v) The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract</p> <p>vi) Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in (v) but taking into account the revised period for completing the works</p> <p>vii) The amount or the items of the Preliminaries are adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments are based on adjustments in the following categories as recorded in the Bill of Quantities:</p> <p>a) an amount which is not varied, namely Fixed</p> <p>b) an amount which is varied in proportion to the contract value, namely Value Related; and</p> <p>c) an amount which is varied in proportion to the construction period as compared to the initial construction period excluding revisions to the construction period for which the contractor is not entitled to adjustment in terms of the contract, namely Time Related</p>				

viii) Where no provision is made in the Bill of Quantities to indicate which of the three categories in (vii) apply or where no selection is made, the adjustments shall be based on the following breakdown:

- a) 10 percent is Fixed;
- b) 15 percent is Value Related
- c) 75 percent is Time related

ix) The adjustment of the Preliminaries shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.

x) Items not priced in these preliminaries are deemed to be included elsewhere in this bill of quantities

**SECTION A: CORE CLAUSES**

1

**GENERAL (A1)**

Clause 1.0

Clause 11.2(4) is amended by replacing it with the following:

The Contract Date is the date when the contractor receives one fully completed signed copy of this document, including the schedule of deviations (if any) as contained in the Form of Offer and Acceptance

Fixed:..... Value Related:..... Time Related:.....

Item

2

**THE CONTRACTOR'S MAIN RESPONSIBILITIES (A2)**

Clause 2.0

The contractor must provide and keep a copy of the NEC3 Engineering and Construction Contract - Option B: Priced contract with bill of quantities applicable to this contract and a copy of the Procurement Document on the site, to which the Project Manager and Supervisor have access at all times

Fixed:..... Value Related:..... Time Related:.....

Item

1

-

-

3

**CONTRACTOR'S DESIGN**

Clause 21.1

Fixed:..... Value Related:..... Time Related:.....

Item

1

-

-

4 **TIME (A3)**

Clause 3.0

Fixed:..... Value Related:..... Time Related:.....

Item

0

5 **TESTING AND DEFECTS (A4)**

Clause 4.0

Fixed:..... Value Related:..... Time Related:.....

Item

0

6 **PAYMENT (A5)**

Clause 5.0

Clause 50.0 is amended by the addition of the following clause:

Materials and goods stored off site are not included in the amount authorised for payment

Fixed:..... Value Related:..... Time Related:.....

Item

0

7 **COMPENSATION EVENTS (A6)**

Clause 6.0

Fixed:..... Value Related:..... Time Related:.....

Item

0

8 **TITLE (A7)**

Clause 7.0

Fixed:..... Value Related:..... Time Related:.....

Item

0

9 **RISK AND INSURANCE (A8)**

Clause 8.0

Fixed:..... Value Related:..... Time Related:.....

Item

0

10 **TERMINATION (A9)**

Clause 9.0

Fixed:..... Value Related:..... Time Related:.....

Item

0

**SECTION B: MAIN OPTION CLAUSES**

11 **PRICED CONTRACT WITH BILL OF QUANTITIES (B1)**

Clause 10.0

The quantities in provisional bills of quantities are an indication of the works to be executed and are subject to remeasurement

Fixed:..... Value Related:..... Time Related:.....

Item 0

**SECTION C: DISPUTE RESOLUTION**

H2 0

12 **OPTION W1 (C1)**

Clause 11.0

Fixed:..... Value Related:..... Time Related:.....

Item 0

**SECTION D: SECONDARY OPTION CLAUSES**

H2 0

13 **X1 PRICE ADJUSTMENT FOR INFLATION (D1)**

Clause 12.0

Fixed:..... Value Related:..... Time Related:.....

Item 0

14 **X2 CHANGES IN THE LAW (D2)**

Clause 13.0

Fixed:..... Value Related:..... Time Related:.....

Item 0

15 **X3 MULTIPLE CURRENCIES (D3)**

Clause 14.0

Fixed:..... Value Related:..... Time Related:.....

Item 0

16 **X4 PARENT COMPANY GUARANTEE (D4)**

Clause 15.0

Fixed:..... Value Related:..... Time Related:.....

Item 0

17 **X5 SECTIONAL COMPLETION (D5)**

Clause 16.0

Fixed:..... Value Related:..... Time Related:.....

Item 0

18 **X6 BONUS FOR EARLY COMPLETION (D6)**

Clause 17.0

Fixed:..... Value Related:..... Time Related:.....

Item 0

19 **X7 DELAY DAMAGES (D7)**

Clause 18.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

20 **X12 PARTNERING (D8)**

Clause 19.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

21 **X13 PERFORMANCE BOND (D9)**

Clause 20.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

22 **X14 ADVANCED PAYMENT TO THE CONTRACTOR (D10)**

Clause 21.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

23 **X15 LIMITATION OF THE CONTRACTOR'S LIABILITY FOR HIS  
DESIGN TO REASONABLE SKILL AND CARE (D11)**

Clause 22.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

24 **X16 RETENTION (D12)**

Clause 23.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

25 **X17 LOW PERFORMANCE DAMAGES (D13)**

Clause 24.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

26 **X18 LIMITATION OF LIABILITY (D14)**

Clause 25.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

27 **X20 KEY PERFORMANCE INDICATORS (D15)**

Clause 26.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

28 **Z ADDITIONAL CONDITIONS OF CONTRACT (D16)**

Clause 27.0

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

**SECTION E: CONTRACT DATA**

H2

0

29 **CONTRACT DATA (E1)**

Clause 28.0

Tenderers are referred to Part C1.2 Contract Data for  
variables pertaining to this contract

Fixed:..... Value Related:..... Time  
Related:.....

Item

0

Carried to Summary

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO. 2</b>				
	<b>ALTERATIONS</b>				
	<b>REMOVAL OF EXISTING WORK</b>				
	<u>Breaking up and removing reinforced concrete, leaving the reinforcement exposed and in good order.</u>				
1	Stub Columns	m3	9		-
2	Column base (if required)	m3	7		-
3	Road	m3	21		-
	Carried to Summary				-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO. 3</b>  <b>EARTHWORKS (PROVISIONAL)</b>  <b>EXCAVATION, FILLING, ETC</b>  <b>EXCAVATIONS ETC</b>  <u>Excavation in earth not exceeding 2m deep</u>				
1	Reduced levels under road	m3	14		-
	<b>LAYER WORK</b>  <u>Filling supplied by the contractor under parking areas, roadways, etc</u>				
2	Subbase course of G5 natural gravel material, compacted to 98% Mod AASHTO density	m3	14		-
	<b>WEED KILLERS, INSECTICIDES, ETC</b>  <u>Weedkiller (active ingredients metalaclor 102,8 g/l, terbitilasien 248,6 g/l and atrasien 248,6 g/l) mixed in the proportion of 100 ml weedkiller to 100 l water and applied at a rate of 10 l/m<sup>2</sup></u>				
3	Under paving etc	m2	142		-
	<b>TESTS</b>  <u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>				
4	Allow for tests	No	3		-
	Carried to Summary				-



ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 4</b>				
	<b>CONCRETE, FORMWORK AND REINFORCEMENT</b>				
	<b>REINFORCED CONCRETE CAST ON/IN FORMWORK</b>				
	<u>25MPa/19mm concrete</u>				
1	Bases	m3	7		-
2	Road surface bed cast in panels	m3	21		-
3	Columns	m3	9		-
	<b>TEST CUBES</b>				
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	27		-
	<b>CONCRETE SUNDRIES</b>				
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
5	Roads, slabs, etc to falls	m2	142		-
	30 MPa non-shrink grout				
6	Bedding approximately 25mm thick under 450 x 450mm base plate	No	4		-
7	Bedding approximately 25mm thick under 550 x 800mm base plate	No	14		-
	<b>ROUGH FORMWORK (DEGREE OF ACCURACY II)</b>				
	<u>Rough formwork to sides</u>				
8	Rectangular stub columns	m2	43		-
	<b>MOVEMENT JOINTS ETC</b>				
	<u>Expansion joints with 10mm bitumen impregnated softboard between vertical concrete surfaces, including necessary formwork</u>				
9	Not exceeding 300mm high through slabs	m	40		-
	<b>REINFORCEMENT</b>				
	<u>High tensile steel reinforcement to structural concrete work</u>				
10	Various Diameter bars	t	2,04		-

High tensile steel dowel bars

11 Reinforcement bars to be doweled and epoxied 200mm deep into top of existing column base. Reinforcement to protrude to top of stub colmn

No

100

-

Fabric reinforcement

12 Type 311 fabric reinforcement in road surface bed, etc

m2

142

-

Carried to Summary

-



ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 6</b>				
	<b>ROOF COVERINGS, CLADDINGS, ETC</b>				
	<b>PROFILED METAL SHEETING AND ACCESSORIES</b>				
	<u>0.58mm "Kliplok 700 Colorplus AZ200" rolled from G550 steel in continuous length (or equal approved), with finish of approved standard colour on one side and standard grey backing finish on reverse side, fixed to steel purlins or rails (colour to match surrounding buildings)</u>				
1	Roof covering with pitches not exceeding 25 degrees	m2	588		-
	<u>Steel sheet accessories to preceding roof covering, finish of approved standard colour on one side and standard grey backing finish on reverse side</u>				
2	Ridge cappings	m	36		-
3	Gable trims	m	67		-
4	Narrow and broad flute closers	m	142		-
5	Moulded narrow and broad rib polyethelene filler blocks	m	142		-
	<u>0.58mm "IBR 686 Colorplus AZ150" rolled from G550 steel in continuous length (or equal approved), with finish of approved standard colour on one side and standard grey backing finish on reverse side, fixed to steel purlins or rails (colour to match surrounding buildings)</u>				
6	Side cladding	m2	1607		-
	<u>Steel sheet accessories to preceding side cladding finish of approved standard colour on one side and standard grey backing finish on reverse side</u>				
7	Corner trims	m	103		-
8	Apex flashings	m	71		-
9	Drip flashing	m	174		-
10	Jamb flashings	m	60		-
	<u>1.25mm "Modek IBR 686 profile semi-opaque 50% light transmission translucent polycarbonate sheeting fixed to steel purlins or rails</u>				
11	Side cladding	m2	46		-
	Carried to Summary				-
					-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 7</b>  <b>CARPENTRY AND JOINERY</b>  <b>STRUCTURAL TIMBERWORK ETC</b>  Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete  <u>Sawn softwood grade 6</u>				
1	38 x 114mm Ceiling joists in lengths not exceeding 2,4m	m	12		-
	<b>TIMBER DOORS, WINDOWS, ETC</b>  <b>DOORS ETC</b>  <u>Hollow core flush doors with commercial veneer, hung to steel frames</u>				
2	40mm Door 813 x 2032mm high	No	4		-
Carried to Summary					-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 8</b>				
	<b>CEILINGS, PARTITIONS AND ACCESS FLOORING</b>				
	<b>ABLUTIONS</b>				
	<b>NAILED-UP CEILINGS</b>				
	<u>6,4mm Gypsum plasterboard with 6 x 50mm fibre cement cover strips over joints</u>				
1	Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres and cross brandering at 600mm centres	m2	8		-
	<u>Gypsum plasterboard cornices</u>				
2	55mm Coved cornices	m	20		-
Carried to Summary					-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 9</b>				
	<b>IRONMONGERY</b>				
	<b>HINGES, BOLTS, ETC</b>				
1	WC indicator bolt with keep fixed to metal	No	2		-
	<b>LOCKS</b>				
2	Three-lever lockset with striking plate fixed to metal	No	2		-
	<b>HANDLES</b>				
3	Anodised aluminium pull handle with back plates	No	4		-
	<b>DOOR CLOSERS</b>				
4	Door closer with bracket fixed to metal	No	2		-
	<b>LETTERS, NAMEPLATES, ETC</b>				
5	Anodised aluminium plate or other approved with male or female symbol	No	2		-
6	Anodised aluminium plate or other approved with fire exit, fire extinguisher, fire hose reel or fire hydrant symbol	No	6		-
7	Perspex plate or other approved with engraved and painted letters or numerals as per requirements.	Item	1,00		-
	<b>SUNDRIES</b>				
8	38mm Diameter rubber door stop plugged	No	4		-
	<b>BATHROOM FITTINGS</b>				
9	Chromium plated lockable toilet roll holder, plugged	No	2		-
10	Paper towel dispenser, plugged	No	2		-
	Carried to Summary				-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 10</b>				
	<b>STRUCTURAL STEELWORK</b>				
	<b>HOT DIPPED GALVANISED STEEL COLUMNS AND BEAMS</b>				
	<b>Note</b>				
	Prices must include for the installation and erection of all steel members				
	<u>Welded columns in single lengths with flat base, cap, bearer and connection plates, bolted to concrete</u>				
1	H/I-section columns	t	0,72		-
2	I-section columns in heights exceeding 13m and not exceeding 18m	t	22,25		-
	<u>Welded beams in single lengths with flat bearer and connection plates, bolted to steel</u>				
3	I-section eaves beams	t	4,47		-
	<b>HOT DIPPED GALVANISED STEEL RAFTERS</b>				
	<u>Welded roof rafters of I-beam, struts, braces, cleats, etc and flat bearer, gusset and connection plates, bolted to steel -</u>				
	<b><u>BAYS OVER UPEND DEVICE TO BE OPEN-ABLE</u></b>				
4	Double pitched rafters 14.5 x 2.0m high extreme (In No 7)	t	5,02		-
	<b>GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC</b>				
	<u>Purlins and girts, bolted to steel</u>				
5	Angle bracing (Hot dipped galvanised)	t	1,76		-
6	Cold-formed lipped channel purlins (Pre-galvanised)	t	9,32		-
	<b>HOT DIPPED GALVANISED STEEL GUTTERS AND RAINWATER PIPES</b>				
	<u>3mm Welded plate gutters</u>				
7	Box gutters 640mm girth, 4 times bent along length including necessary collared and sealed expansion joints (bearers elsewhere)	t	1,09		-
	<b>BOLTS, FASTENERS, ETC</b>				
8	High tensile bolts (class 8.8)	t	1,07		-
9	Holding down bolts	No	128		-



**TESTS**

Weld testing

- 10 Allow for testing as per the specifications and requirements of the client

Item

1,00

-

**ROTOR UPENDING TURNING DEVICE BASE PLATES**

**This item only to be priced if the assessment found the existing base plates to be unusable.**

Rotor upending turning device base plate complete including all necessary breakages and repair work (Drawing 0.86/9301 and 23-9422-01048)

- 11 Rotor upending turning device base plate No 1

No

1

-

- 12 Rotor upending turning device base plate No 2

No

1

-

**ROTOR UPENDING TURNING DEVICE**

- 13 Rotor upending turning device complete (Drawing 0.86/9301 and 23-9422-01048)

No

1

-

Carried to Summary

-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 11</b>				
	<b>METALWORK</b>				
	<b>MAIN ACCESS DOORS</b>				
1	Single steel door and frame complete including ironmongery for opening size approximately 1000 x 2150 mm high	No	2		-
2	Sectional sliding doors complete for opening size approximately 5810 x 3998mm high	No	1		-
3	Sectional sliding doors complete for opening size approximately 6000 x 6000mm high	No	2		-
	<b>GALVANISED PRESSED STEEL DOOR FRAMES AND DOORS (Ablutions)</b>				
	<u>1,2mm Double rebated frames suitable for half brick walls</u>				
4	Frame for door 813 x 2032mm high	No	2		-
	<u>1,2mm Double rebated frames suitable for one brick walls</u>				
5	Frame for door 813 x 2032mm high	No	2		-
	<b>GALVANISED STEEL WINDOWS, DOORS, ETC (Ablutions)</b>				
	<u>Standard residential windows</u>				
6	Window	No	4		-
	<b>ALUMINIUM LOUVRE UNITS</b>				
	<b>POWDER COATED HORIZONTAL ALUMINIUM LOUVRE UNITS</b>				
	<u>Weather-resistant Louvre units screwed into steel frames</u>				
7	Louvre units approximately 800 x 500mm high	No	6		-
	<b>WELDING BAY</b>				
8	Welding bay area to be 3.0 x 3.0m including welding table, etc complete	Item	1,00		-
	Carried to Summary				-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>BILL NO 12</b>					
<b>PLASTERING</b>					
<b>SCREEDS (Ablutions)</b>					
<u>Screeds wood floated, on concrete</u>					
1	25mm Thick on floors and landings	m2	8		-
<b>INTERNAL PLASTER (Ablutions)</b>					
<u>Cement plaster wood floated for tiles, on brickwork</u>					
2	On walls	m2	51		-
<u>Cement plaster wood floated, on brickwork</u>					
3	On walls	m2	33		-
Carried to Summary					
					-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 13</b>  <b>TILING</b>  <b>WALL TILING (Ablutions)</b>  <u>600 x 600mm Porcelain tiles fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted grout</u>				
1	On walls	m2	51		-
	<b>FLOOR TILING (Ablutions)</b>  <u>600 x 600mm Porcelain floor tiles fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted grout</u>				
2	On floors and landings	m2	8		-
Carried to Summary					-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 14</b>				
	<b>PLUMBING AND DRAINAGE</b>				
	<b>RAINWATER DISPOSAL</b>				
	<u>Gutters and rainwater pipes</u>				
1	150mm Rainwater down pipes	m	90		-
2	Extra over gutter for outlet pipe	No	6		-
	<u>Galvanised medium steel pipes with screwed and socketed joints</u>				
3	150mm Pipes	m	21		-
	<b>SOIL DRAINAGE</b>				
	<u>Normal duty (Class 51) PVC-U sewer and drain pipes</u>				
4	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	3		-
5	110mm Pipes laid in and including trenches not exceeding 1m deep	m	15		-
	<u>Extra over normal duty (Class 51) PVC-U sewer and drain pipes for fittings</u>				
6	110mm Bend	No	4		-
7	110mm Junction	No	2		-
8	110mm Access bend	No	4		-
9	110mm Access junction	No	2		-
10	110mm Rodding eye	No	2		-
	<u>uPVC gulleys</u>				
11	110mm Dished gully not exceeding 500mm deep	No	2		-
	<u>Inspection chambers including benching (covers and channels elsewhere)</u>				
12	Inspection chamber not exceeding 750mm deep internally	No	2		-
	<u>French drains</u>				
13	French drain	No	1		-
	<u>Septic tanks</u>				

14	Septic tank	No	1	-
	<u>Conservancy Tank</u>			
15	Conservancy tank complete	No	1	-
	<u>Connection</u>			
16	Allow for connection to existing soil drainage system	Item	1,00	-
	<u>Testing</u>			
17	Testing soil drainage system	Item	1,00	-
	<b>SANITARY FITTINGS</b>			
18	Lavatory basin	No	2	-
19	Low level WC suite comprising WC pan with double flap heavy duty plastic seat and matching 9 litre cistern with flush pipe	No	2	-
20	Wall urinal with spreader and waste union (flush valve elsewhere)	No	1	-
	<b>WASTE UNIONS ETC</b>			
21	32mm Chromium plated basin waste union	No	2	-
	<b>TRAPS ETC</b>			
22	75mm Chromium plated hinged urinal domical grating	No	1	-
23	32mm Chromium plated bottle trap	No	3	-
	<b>TAPS, VALVES, ETC</b>			
24	25mm Brass fullway gate valve	No	1	-
25	15mm Chromium plated angle regulating valve and flexible connection pipe	No	4	-
26	15mm Chromium plated pillar tap	No	2	-
27	15mm Brass in-line strainer	No	2	-
28	Pressure control valve with vacuum breaker	No	1	-
29	Chromium plated exposed type urinal flush valve and pipe	No	1	-
	<b>SANITARY PLUMBING</b>			
	<u>PVC-U soil and vent pipes</u>			
30	40mm Pipes	m	10	-

31	110mm Pipes	m	10	-
	<u>Extra over PVC-U soil and vent pipes for fittings</u>			
32	110mm Pan connector	No	2	-
33	40mm Bend	No	6	-
34	40mm Access bend	No	4	-
35	110mm Access junction	No	2	-
36	110mm Air vent cowl	No	2	-
	<u>Testing</u>			
37	Testing waste pipe system	Item	1,00	-
	<b>WATER SUPPLIES</b>			
	<u>Class 1 copper pipes with brass compression couplings</u>			
38	15mm Pipes	m	22	-
39	15mm Pipes chased into brickwork including brown paper lagging	m	18	-
	<u>Extra over Class 1 copper pipes for capillary fittings</u>			
40	15mm Fittings	No	35	-
	<u>Sundries</u>			
41	Cast iron stopcock box including brick chamber below 450mm deep internally	No	1	-
	<b>FIRE APPLIANCES ETC</b>			
42	Hose reel with 30m hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	2	-
43	Dry chemical powder fire extinguisher	No	5	-
	<u>Connection</u>			
44	Allow for connection to existing service including all excavations, connecting, filling etc.	Item	1,00	-
	<u>Testing</u>			
45	Testing water pipe system	Item	1,00	-
	Carried to Summary			-
				-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 15</b>				
	<b>ELECTRICAL WORK</b>				
	<b>ELECTRICAL AND ELECTRONICAL INSTALLATIONS</b>				
	<u>General electrical installation</u>				
1	Allow for the design, supply, installation and commissioning of the general electrical and lighting installation	Item	1,00		-
	<b>FIRE DETECTION</b>				
	<u>Fire detection installation</u>				
2	Allow for the fire detection system as per the requirements	Item	1,00		-
	<b>EARTHING AND LIGHTNING PROTECTION</b>				
3	Earthing and lightning protection of buildings	Item	1,00		-
4	Provision of as built drawings	Item	1,00		-
5	Testing and commissioning the complete electrical installation	Item	1,00		-
Carried to Summary					-



ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>BILL NO 16</b>					
<b>MECHANICAL WORK</b>					
<b>EQUIPMENT</b>					
<u>Compressor</u>					
1	Compressor	No	1		-
<u>Fans</u>					
2	Propeller fan complete with louvre shutter	No	1		-
<b>FIRE PROTETION</b>					
<u>Fire protection installation</u>					
3	Allow for the fire protection system as per the requirements	Item	1		-
<b>OVERHEAD CRANE</b>					
<u>Overhead Traveling Crane</u>					
4	15ton Double girder electric overhead traveling crane (15m span)	Item	1		-
Carried to Summary					-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>BILL NO 17</b>				
	<b>PAINTWORK</b>				
	<b>PAINTWORK ETC TO NEW WORK</b>				
	<b>ON INTERNAL FLOATED PLASTER SURFACES</b>				
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>				
1	Walls	m2	33		-
	<b>ON INTERNAL GYPSUM PLASTER SURFACES</b>				
	<u>One coat primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>				
2	Ceilings and beams ("White" colour group)	m2	8		-
	<b>ON METAL SURFACES</b>				
	<u>One coat self etching primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on galvanised steel</u>				
3	Doors	m2	194		-
4	Door frames	m2	8		-
5	Windows	m2	2		-
6	Columns and beams	m2	508		-
7	Members of lattice columns and beams	m2	42		-
8	Members of roof trusses	m2	335		-
9	Rails, bars, pipes, etc	m2	559		-
10	Rainwater downpipes	m2	7		-
11	Rails, bars, pipes, etc not exceeding 300mm girth	m	263		-
	<b>ON WOOD SURFACES</b>				
	<u>One coat alkyd based universal undercoat and one coat superior quality universal enamel paint</u>				
12	Doors	m2	15		-
	Carried to Summary				-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	Preliminaries	Page			-
2	Alterations	Page			-
3	Earthworks	Page			-
4	Concrete, Formwork and Reinforcing	Page			-
5	Masonry	Page			-
6	Roof Coverings, Claddings, Etc	Page			-
7	Carpentry And Joinery	Page			-
8	Ceilings, Partitioning etc	Page			-
9	Ironmongery	Page			-
10	Structural Steelwork	Page			-
11	Metalwork	Page			-
12	Plastering	Page			-
13	Tiling	Page			-
14	Plumbing and Drainage	Page			-
15	Electrical Work	Page			-
16	Mechanical Work	Page			-
17	Paintwork	Page			-
	Sub-total				-
	<u>Contingency</u> Provide the sum of R 1 000 000.00 (One Million Rands) for contingencies to be used as directed and deducted in whole or in part if not required	Item			1 000 000,00
	Sub-total	ST			
	Allow Fifteen per cent (15%) of the above sub-total for Value ATAX				-
	Carried to Form of Tender				-