

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIESNOTES</u>			
i)	The agreement is to be the JBCC Series 2000 Principal Building Agreement, Edition 4.1 May 2005, and other contract documents that together form the contract between the employer and contractor			
ii)	The preliminaries are to be the JBCC Series 2000 Code 2103 Preliminaries prepared by the Joint Building Contracts Committee, May 2005 edition and shall be deemed to be incorporated herein			
iii)	Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
iv)	Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading			
v)	Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
vi)	If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time			

	Carried to Collection		R	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd			

SECTION A: PRINCIPAL BUILDING AGREEMENT

Definitions (A1)

- 1 Definitions and interpretation (clause 1)
1)F:..... V:.....
T:.....

Item

Objective and Preparation (A2 to A14)

- 2 Offer acceptance and performance (clause 2)
2)F:..... V:.....
T:.....

Item

- 3 Documents (clause 3)F:.....
V:..... T:.....

Item

- 4 Design responsibility (clause 4)F:.....
V:..... T:.....

Item

- 5 Employer's agents (clause 5)F:.....
V:..... T:.....

Item

- 6 Site representative (clause 6)F:.....
V:..... T:.....

Item

- 7 Compliance with regulations (clause 7)
7)F:..... V:.....
T:.....

Item

- 8 Works risk (clause 8)F:.....
V:..... T:.....

Item

- 9 Indemnities (clause 9)F:.....
V:..... T:.....

Item

- 10 Works insurances (clause 10)

F:..... V:.....
T:.....

Item

- 11 Liability insurances (clause 11)F:.....
V:..... T:.....

Item

- 12 Effecting insurance (clause 12)F:.....
V:..... T:.....

Item

Carried to Collection

R

Section No. 1
Preliminaries
Bill No. 1
Preliminaries
Ramgoolam (Pty) Ltd

13	NO CLAUSE	N/A		
14	Security (clause 14)F:..... V:..... T:.....	Item		
<u>Execution (A15-A23)</u>				
15	Preparation for and execution of the works (clause 15) fixed F:..... V:..... T:.....	Item		
16	Access to the works (clause 16)F:..... V:..... T:.....	Item		
17	Contract instructions (clause 17)F:..... V:..... T:.....	Item		
18	Setting out of the works (clause 18)F:..... V:..... T:.....	Item		
19	Assignment (clause 19)F:..... V:..... T:.....	Item		
20	Nominated subcontractors (clause 20)F:..... V:..... T:.....	Item		
21	Selected subcontractors (clause 21)F:..... V:..... T:.....	Item		
22	Employer's Direct Contractors (clause 22) F:..... V:..... T:.....	Item		
23	Contractor's Domestic Sub-Contractors (Clause 23) F:..... V:..... T:.....	Item		
<u>Completion (A24-A30)</u>				
24	Practical completion (clause 24)F:..... V:..... T:.....	Item		
25	Works completion (clause 25)F:..... V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd				

26	Final completion (clause 26)F:..... V:..... T:.....	Item		
27	Latent defects liability period (clause 27)F:..... V:..... T:.....	Item		
28	Sectional completion (clause 28)F:..... V:..... T:.....	Item		
29	Revision of date of practical completion (clause 29)F:..... V:..... T:.....	Item		
30	Penalty for non-completion (clause 30)F:..... V:..... T:.....	Item		
<u>Payment (A31 - A35)</u>				
31	Interim payment to the contractor (clause 31)F:..... V:..... T:.....	Item		
32	Adjustment to the contract value (clause 32)F:..... V:..... T:.....	Item		
33	Recovery of expense and loss (clause 33)F:..... V:..... T:.....	Item		
34	Final account and final payment (clause 34)F:..... V:..... T:.....	Item		
35	Payment to other parties (clause 35) F:..... V:..... T:.....	Item		
<u>Cancellation (A36-A39)</u>				
36	Cancellation by employer - contractor's default (clause 36)F:..... V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd				

37	Cancellation by employer - loss and damage (clause 37)F:..... V:..... T:.....	Item		
38	Cancellation by contractor - employer's default (clause 38)F:..... V:..... T:.....	Item		
39	Cancellation - cessation of the works (clause 39)F:..... V:..... T:.....	Item		
	<u>Dispute (A40)</u>			
40	Dispute Settlement (clause 40) F:..... V:..... T:.....	Item		
	<u>Substitute Provisions (A41)</u>			
41	State clauses (Clause 41) F:..... V:..... T:.....	Item		
	<u>THE SCHEDULE</u>			
	Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder			
42	Pre-tender information (clause 42) F:..... V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd				

42.1 CONTRACTING AND OTHER PARTIES

42.1.1

Employer:

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Postal address:

.....

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Code

Tel

Fax

E-mail

Physical Address:

.....

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42.1.2

Principal Agent:

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Postal address:

.....

.....

Code

Tel

Fax

E-mail

Carried to Collection

Section No. 1

Preliminaries

Bill No. 1

Preliminaries

Ramgoolam (Pty) Ltd

R

42.1.3

Agents service:Architect

Agent (1)

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Postal address:

.....

.....

Code

Tel

Fax

E-mail

42.1.4

Agents service: Quantity Surveyor

Agent (2)

.....

Postal address:

.....

.....

Code

Tel

Fax

E-mail

Carried to Collection

R

Section No. 1

Preliminaries

Bill No. 1

Preliminaries

Ramgoolam (Pty) Ltd

42.1.5
Agents service: Structural & Civil Engineer

Agent (3)

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Postal address:

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.....

Code

Tel

Fax

E-mail

42.1.6
Agents service: Electrical Engineer

Agent (4)

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Postal address:

.....

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Code

Tel

Fax

E-mail

Carried to Collection

R

Section No. 1
Preliminaries
Bill No. 1
Preliminaries
Ramgoolam (Pty) Ltd

42.1.7
Agents Service : Mechanical Engineer

Agent (5)

.....

Postal address:

.....

.....

Code

Tel

Fax

E-mail

42.1.8
Agents Service :

Agent (6)

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Postal address:

.....

.....

Code

Tel

Fax

E-mail

Carried to Collection

R

Section No. 1
Preliminaries
Bill No. 1
Preliminaries
Ramgoolam (Pty) Ltd

42.2 CONTRACT DETAILS

42.2.1 Works Description:

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42.2.2 Site Description:

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42.2.3 Work or installations by direct contractors:

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42.2.4 This agreement is for a government contract where there are specific options that are applicable to a **State** organ only

Yes/No

42.2.5 Date on which possession of the site is intended to be given:

?..... (Date)

42.2.6 Period for the commencement of the works after the contractor takes possession of the site

?..... working days

42.2.7 For the works **as a whole**. Intended date of practical completeion and the penalty per calendar day

?..... Date

?R..... Penalty Amount

Carried to Collection

R

Section No. 1
Preliminaries
Bill No. 1
Preliminaries
Ramgoolam (Pty) Ltd

42.2.8 For the works in **sections**: ??Intended date of practical completion and the penalty per calender day

Section 1

..... Date

R..... Penalty Amount

Section 2

..... Date

R..... Penalty Amount

Section 3

..... Date

R..... Penalty Amount

Section 4

..... Date

R..... Penalty Amount

42.2.9 The **law** applicable to this **agreement** shall be that of

..... (country)

42.3 INSURANCES

42.3.1 Contract works insurance to be effected by:

Employer/Contractor:

For the Sum of R

With a deductible of of R

42.3.2 Supplementary insurance is required

Yes/No

42.3.3 Public liability insurance to be effected by:

Employer/Contractor:

For the Sum of R

With a deductible of of R

Carried to Collection

R

Section No. 1

Preliminaries

Bill No. 1

Preliminaries

Ramgoolam (Pty) Ltd

42.4 DOCUMENTS

42.4.1 Waivers of **contractors lien** or right of continuing possession is required

Yes/No

42.4.2 Number of construction document copies to be supplied to the **contractor** free of charge:

..... Number of

42.4.3 **Bills of Quantities/Lump sum document** schedule of rates drawn up in accordance with:

(state system)

42.4.4 On acceptance of the tender the bills of quantities/lump sum document is to be submitted within **working days**

..... Number of

42.4.5 JBCC Engineering General Conditions are to be included in the **contract documents**:

Yes/No

42.4.6 The contract value is to be adjusted using escalation adjustment indices

Yes/No

Where **JBCC CPAP** is to be used

Base Month

42.4.7 Details of changes made to the provision of JBCC standard documentation:

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Carried to Collection

Section No. 1

Preliminaries

Bill No. 1

Preliminaries

Ramgoolam (Pty) Ltd

R

SECTION B: PRELIMINARIES

Definitions and interpretation (B1)

43 Definition and interpretation (B1.1 - B1.4.6)

F:..... V:.....

T:.....

Item

Documents (B2)

44 Checking of documents (B2.1)F:.....

V:..... T:.....

Item

45 Provisional bills of quantities (B2.2)F:.....

V:..... T:.....

Item

46 Availability of construction documentation (B2.3)

F:..... V:.....

T:.....

Item

47 Interests of agents (B2.4)F:.....

V:..... T:.....

Item

48 Priced documents (B2.5)F:.....

V:..... T:.....

Item

49 Tender submission (B2.6)F:.....

V:..... T:.....

Item

The site (B3)

50 Defined works area (B3.1)F:.....

V:..... T:.....

Item

51 Geotechnical investigation (B3.2)F:.....

V:..... T:.....

Item

52 Inspection of the site (B3.3)F:.....

V:..... T:.....

Item

53 Existing premises occupied (B3.4)F:.....

V:..... T:.....

Item

Carried to Collection

R

Section No. 1

Preliminaries

Bill No. 1

Preliminaries

Ramgoolam (Pty) Ltd

54	Previous work - dimensional accuracy (B3.5)F:..... V:..... T:.....	Item		
55	Previous work - defects (B3.6)F:..... V:..... T:.....	Item		
56	Services - known (B3.7)F:..... V:..... T:.....	Item		
57	Services - unknown (B3.8)F:..... V:..... T:.....	Item		
58	Protection of trees etc (B3.9)F:..... V:..... T:.....	Item		
59	Articles of value (B3.10)F:..... V:..... T:.....	Item		
60	Inspection of adjoining properties etc (B3.11)F:..... V:..... T:.....	Item		
<u>Management of contract (B4)</u>				
61	Management of the works (B4.1)F:..... V:..... T:.....	Item		
62	Programme for the works (B4.2) F:..... V:..... T:.....	Item		
63	Progress meetings (B4.3)F:..... V:..... T:.....	Item		
64	Technical meetings (B4.4)F:..... V:..... T:.....	Item		
65	Labour and Plant records (B4.5) F:..... V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd				

	<u>Samples, Shop Drawings and Manufacturer's Instructions (B5)</u>			
66	Samples of materials (B5.1)F:..... V:..... T:.....	Item		
67	Workmanship samples (B5.2)F:..... V:..... T:.....	Item		
68	Shop drawings (B5.3) F:..... V:..... T:.....	Item		
69	Compliance with Manufacturer's Instructions (B5.4) F:..... V:..... T:.....	Item		
	<u>Temporary works and plant (B6)</u>			
70	Deposits and fees (B6.1)F:..... V:..... T:.....	Item		
71	Enclosure of the works (B6.2)F:..... V:..... T:.....	Item		
72	Advertising (B6.3)F:..... V:..... T:.....	Item		
73	Plant, equipment, sheds and offices (B6.4)F:..... V:..... T:.....	Item		
74	Main notice board (B6.5)F:..... V:..... T:.....	Item		
75	Subcontractors' notice board (B6.6) F:..... V:..... T:.....	Item		
	<u>Temporary services (B7)</u>			
76	Location (B7.1)F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd			

77	Water (B7.2)				
	Option [A] / [B] ? shall apply				
	F:..... V:..... T:.....	Item			
78	Electricity (B7.3)				
	Option [A] / [B] ? shall apply				
	F:..... V:..... T:.....	Item			
79	Telecommunication facilities (B7.4)				
	F:..... V:..... T:.....	Item			
80	Ablution facilities (B7.5)				
	Option [A] / [B] ? shall apply				
	F:..... V:..... T:.....	Item			
	<u>Prime cost amounts (B8)</u>				
81	Responsibility for prime cost amounts (B8.1)F:..... V:..... T:.....	Item			
	<u>Attendance on N/S Subcontractors (B9)</u>				
82	General attendance (B9.1)F:..... V:..... T:.....	Item			
83	Special attendance (B9.2)F:..... V:..... T:.....	Item			
84	Commissioning - Fuel, water and power (B9.3)F:..... V:..... T:.....	Item			
	<u>Financial aspects (B10)</u>				
	Statutory taxes, duties and levies (B10.1)F:..... V:..... T:.....	Item			
	Carried to Collection		R		
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd				

85	Payment of preliminaries (B10.2) Option [A] / [B] ? shall apply F:..... V:..... T:.....	Item		
86	Adjustment of preliminaries (B10.3)F:..... V:..... T:.....	Item		
87	Payment certificate cash flow (B10.4)F:..... V:..... T:.....	Item		
<u>General (B11)</u>				
88	Protection of works (B11.1)F:..... V:..... T:.....	Item		
89	Protection/isolation of existing/sectionally occupied works (B11.2)F:..... V:..... T:.....	Item		
90	Security of the Works (B11.3) F:..... V:..... T:.....	Item		
91	Notice before covering work (B11.4)F:..... V:..... T:.....	Item		
92	Disturbance (B11.5) F:..... V:..... T:.....	Item		
93	Environmental Disturbance (B11.6) F:..... V:..... T:.....	Item		
94	Works cleaning and clearing (B11.7) F:..... V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd				

95	Vermin (B11.8) F:..... V:..... T:.....	Item		
96	Overhand work (B11.9) F:..... V:..... T:.....	Item		
97	Instruction manuals and guarantees (B11.10) F:..... V:..... T:.....	Item		
98	As built information (B11.11) F:..... V:..... T:.....	Item		
99	Tenant Installations (B11.12) F:..... V:..... T:.....	Item		
	<u>Schedule of variables (B12)</u>			
100	Pre-tender information (B12.1)F:..... V:..... T:.....	Item		
	12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional: Yes/No			
	12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete Yes/No			
	12.1.3 Interest of agents (B2.4) 			
	Carried to Collection			
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd			

12.1.4 Defined works area (B3.1)

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12.1.5 Geotechnical investigation (B3.2)

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12.1.6 Existing premises occupied (B3.4)

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12.1.7 Previous work - dimensional accuracy (B3.4)

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12.1.8 Previous work - defects (B3.5)

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Carried to Collection

R

Section No. 1
Preliminaries
Bill No. 1
Preliminaries
Ramgoolam (Pty) Ltd

12.1.9 Services - known (B3.7)

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12.1.10 Protection of trees (B3.9)

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12.1.11 Inspection of adjoining properties
(B3.11)

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12.1.12 Enclosure of the works (B6.2)

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12.1.13 Offices (B6.4.3)

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Carried to Collection

R

Section No. 1
Preliminaries
Bill No. 1
Preliminaries
Ramgoolam (Pty) Ltd

<p>12.1.14 Main notice board (B6.5)</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>12.1.15 Subcontractors notice board (B6.6) A notice board is required</p> <p style="text-align: right;"><i>Yes/No</i></p> <p>12.1.16 Water (B7.2) Alternative Selected:</p> <p>12.1.17 Electricity (B7.3) Alternative selected:</p> <p>12.1.18 Telecommunications (B7.4)</p> <p>12.1.19 Ablution facilities (B7.5) Alternative selected:</p> <p>12.1.20 Protection of existing/sectionally occupied works (B11.2)</p> <p>12.1.21 Special attendance (B9.2)</p> <p>Subcontractor (1) details:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>12.1.22 Protection of the works (B11.1)</p> <p>.....</p> <p>.....</p> <p>.....</p> <p style="text-align: center;">Carried to Collection</p>				
Section No. 1 Preliminaries Bill No. 1 Preliminaries Ramgoolam (Pty) Ltd				R

12.1.23 Disturbance (B11.5)

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12.1.24 Environmental Disturbance (B11.6)

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Post tender information (B12.2)

12.2.1 Payment of preliminaries
Alternative selected:

12.2.2 Adjustment of preliminaries
Alternative selected:

12.2.3 Additional agreed preliminaries items
.....-
.....-
.....-

SECTION C: SPECIFIC PRELIMINARIES

Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Engineering General Conditions are included

101 Occupational Health and Safety Compliance (BoQ to be provided on award)

Item

Carried to Collection

R

Section No. 1
Preliminaries
Bill No. 1
Preliminaries
Ramgoolam (Pty) Ltd

Section No. 1			
Preliminaries			
Bill No. 1			
Preliminaries			
COLLECTION			
Total Brought Forward from Page No.	Page No		Amount
	56		
	57		
	58		
	59		
	60		
	61		
	62		
	63		
	64		
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	67		
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	73		
	74		
Carried Forward	R		
Section No. 1			
Preliminaries			
Bill No. 1			
Preliminaries			
Ramgoolam (Pty) Ltd			

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p>			
<p>Carried to Collection</p>			<p>R</p>
<p>Section No. 2 Repairs and Renovations Bill No. 1 Alterations Ramgoolam (Pty) Ltd</p>			

Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent

Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately

Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc

Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)

(CPAP WORK GROUP NO. 102) unless otherwise stated

REMOVAL OF EXISTING WORK

Carried to Collection

Section No. 2
Repairs and Renovations
Bill No. 1
Alterations
Ramgoolam (Pty) Ltd

R

	<u>Breaking down and removing brickwork etc</u>				
1	Air bricks	No	153		
	<u>Taking out and removing doors, windows, etc</u>				
2	Timber single door and frame not exceeding 2,5m ²	No	30		
	<u>Taking out doors, windows, etc, including thresholds, sills, etc, setting aside for re-use and later refixing in similar new position</u>				
3	Single security gate size 900 x 2030mm high overall	No	21		
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
4	Competent persons to inspect existing roof coverings and trusses and provide specifications for the removal and replacement (replacement elsewhere measured) of roof structure	m2	1,506		
5	Existing roof covering	m2	1,506		
6	Fascias and bargeboards	m	323		
7	Gutters and rainwater pipes	m	306		
8	Gypsum plasterboard ceilings, including timber brandering, cornices, etc in patches	m2	1,506		
9	Ceramic floor tiles	m2	176		
10	Vinyl floor tiles	m2	1,330		
	<u>Taking out and removing sundry joinery work, fittings, etc</u>				
11	Timber skirtings	m	627		
12	Counter top 1160 x 700 x 70mm thick	No	1		
	<u>Taking out and removing ironmongery</u>				
13	Hinges	No	60		
14	Door handle	No	30		
	Carried to Collection			R	
	Section No. 2 Repairs and Renovations Bill No. 1 Alterations Ramgoolam (Pty) Ltd				

15	Door lock	No	30
16	Door stop	No	30
17	1500 x 1500mm High pinning boards	No	22
18	Chalkboards	No	38
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>		
19	25mm Screed from floors	m2	1,383
20	Internal plaster from walls and columns	m2	388
	<u>Making good cement screeds</u>		
21	On floors in patches not exceeding 35mm thick	m2	452
22	Screed on floors not exceeding 35mm thick	m2	35
	<u>Taking out/off and removing glass and mirrors</u>		
23	Glass from steel windows, including cleaning out rebates and preparing for new glass	m2	309
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>		
24	Existing timber door leaves to be sanded smooth and prepared for painting. Prime door leaf then paint with 2-3 coats paint/varnish so as to achieve complete coverage.	m2	19
25	Make good to GMS door frames then treat with cold galvanise.	m2	19
26	Existing galvanised mild steel gate to be cleaned and all paint/rust to be removed. Once all paint/rust has been removed, prepare gate and treat with cold galvanising.	No	2
	<u>MAKING GOOD OF FINISHES, ETC</u>		
	Carried to Collection		
	Section No. 2 Repairs and Renovations Bill No. 1 Alterations Ramgoolam (Pty) Ltd		

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	<u>Prepare existing walls by scraping and sanding down loose and flaking paint and make good and paint (paintwork elsewhere measured)</u>		
27	On internal walls	m2	2,136
28	On external walls	m2	1,734
29	Brick piers	m2	57

GENERAL MAINTENANCE

Metal roof coverings:

Surface preparation

High-pressure clean roofs to remove of all dirt. Remove any fungal growth or algae with household bleach (3,5% solution of sodium hypochlorite) thinned 2 parts bleach to 1 part water by volume. Leave on surface for approximately 1 hour and then scrub with a hard bristle brush to remove all dead growth. Rinse thoroughly with fresh water. Allow to dry

Repair leaks and defective flashing with Plascon multiseal (WSS 2) professional waterproofing compound (PWC 520) or similar approved and the appropriate waterproofing membrane

Surfaces must be clean, firm and thoroughly dry before painting

Where large perforations and damages in existing roof sheets, flashings, roof caps, etc are found the contractor is to remove the affected items and replace with new to match the existing (elsewhere measured). Sample of replacement items and technical data sheet to be provided to the Architect for approval prior to installation

Architectural specification code: RF-M-01

30	Existing metal roof coverings (measured on flat)	m2	1,330
31	Flashings	m	146

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 1
Alterations
Ramgoolam (Pty) Ltd

	<u>Making good and sealing external face brickwork (sealing of face brickwork measured elsewhere)</u>				
32	Clean down existing face brick walls with high pressure water hose	m2	210		
33	Facebrick walls (Architectural Specification Code: WF-FB-01)	m2	665		
	<u>Making good exposed concrete</u>				
34	General maintenance to concrete verandah including washing down, repairing spalling, power float etc	m2	266		
35	General maintenance to exposed concrete at stormwater drains including washing down, repairing spalling, etc not exceeding 300mm wide	m	152		
	<u>Making good gypsum plasterboard ceilings and timber brander with taped joints and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer</u>				
36	Ceilings	m2	1,330		
	<u>SUNDRIES</u>				
	<u>Overall, adjust, service and replace broken or missing hinges, stays, handles, glazing, hacking out damaged beading and re-bead to existing windows including cleaning glazing and frame including the cleaning and treatment for rust to burglar bars. Thereafter inspect and repair damages to frame beading and glazing. Repair all imperfections as per surface preparation guidelines</u>				
37	Existing Windows	No	19		
	<u>OPENINGS THROUGH EXISTING WALLS ETC</u>				
	<u>Altering openings</u>				
	<u>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
38	WC Suite	No	21		
	Carried to Collection			R	
	Section No. 2 Repairs and Renovations Bill No. 1 Alterations Ramgoolam (Pty) Ltd				

**Nzuza Secondary School
Storm Damage Programme**

39	Toilet seat	No	21		
40	Basins	No	12		
41	Pillar tap	No	14		
42	Basin waste	No	2		
43	Bottle trap	No	2		
44	Stop tap	No	2		
45	Soap dispenser	No	2		
46	Double toilet paper holder	No	2		
47	Wall mounted brackets for sinks	No	1		
	<u>Taking out and removing existing pipes including fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
48	15mm copper pipes	m	5		
49	22mm Copper pipes	m	5		
	<u>Structural cracks to internal walls</u>				
50	Removal of existing plaster of 1500mm wide x 2800mm high to fix vertical crack	m2	57.00		
51	Removal of existing plaster of 1500mm high to fix vertical crack	m2	76.00		
52	Fix 32mm metal strap against wall including concrete nails	m	57.00		
53	20mm Thick plaster to internal walls or to match existing	m2	57.00		
54	Suitable crack filler on visible plaster cracks	m2	57.00		
Carried to Collection				R	
Section No. 2 Repairs and Renovations Bill No. 1 Alterations Ramgoolam (Pty) Ltd					

	<u>Structural cracks to external walls</u>				
55	Remove one skin of existing facebrick to make good to allow for metal strap to be fixed (New brickwork measured elsewhere)	m2	19		
56	Fix 32mm metal strap against wall including concrete nails	m	19.00		
57	Replace facebricks to match existing including toothing, bonding and making good as per Architects Specification	m2	19		
	<u>Structural cracks to concrete surface beds</u>				
58	Cut and remove of existing concrete to allow for working space	m3	19.00		
59	Drill 250mm long holes and epoxy Y10 bars into existing concrete	No	114.00		
60	Y10 bars along the crack	t	1.900		
61	30 Mpa concrete	m3	19.00		
62	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	19.00		
Carried to Collection				R	
Section No. 2 Repairs and Renovations Bill No. 1 Alterations Ramgoolam (Pty) Ltd					

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Item No	Quantity	Rate	Amount
<u>BILL NO 2</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>PREAMBLES FOR TRADES</u>			
<p>The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained</p> <p>Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications</p> <p><u>Cost of tests</u></p> <p>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 for approval. The testing shall be undertaken by an approved independent firm or institution nominated by the contractor (test cubes are measured separately)</p>			
Carried to Collection			R
Section No. 2 Repairs and Renovations Bill No. 2 Concrete, Formwork and Reinforcement Ramgoolam (Pty) Ltd			

Breeze concrete

Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (1:12); the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated

Lightweight concrete

Lightweight concrete shall have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm

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 soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 2
Concrete, Formwork and Reinforcement
Ramgoolam (Pty) Ltd

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"

(CPAP WORK GROUP NO. 110) unless otherwise stated

CONCRETE

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

25MPa/19mm concrete

1	Apron slab to match existing as per specification	m3	19
2	Storm water drain cast in panels on waterproofing to match existing as per specification including all excavations, trimming and levelling of ground surfaces, compaction, filling etc complete	m3	19

TEST CUBES

3	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	66
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FORMWORK

(CPAP WORK GROUP NO. 111) unless otherwise stated

SMOOTH FORMWORK (DEGREE OF ACCURACY II)

Smooth formwork to sides

4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	206
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CONCRETE SUNDRIES

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 2
Concrete, Formwork and Reinforcement
Ramgoolam (Pty) Ltd

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Item No	Quantity	Rate	Amount
<p><u>BILL NO 3</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the width and "half brick" the width of a brick</p> <p><u>Hollow walls</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p> <p><u>User note</u></p> <p><i>The following preamble generally applies for works in hot and humid coastal areas</i></p> <p><u>Bagged and sealed walls</u></p> <p>Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</p>			
<p>Carried to Collection</p>			<p>R</p>
<p>Section No. 2 Repairs and Renovations Bill No. 3 Masonry Ramgoolam (Pty) Ltd</p>			

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

DECORATIVE BLOCKS

Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour

(CPAP WORK GROUP NO. 116) unless otherwise stated

BRICKWORK

SUPERSTRUCTURE

Brickwork of NFP bricks in class II mortar

1	Half brick walls in beamfilling	m2	98	
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SUPERSTRUCTURE

2	Air brick	No	154	
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Galvanised hoop iron cramps, ties, etc

3	30 x 1,6mm Roof tie 1,5m long with one end built into brickwork or cast in on top of concrete and other end fixed to timber	No	132	
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Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 3
Masonry
Ramgoolam (Pty) Ltd

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2	<p><u>Silicone joint sealing strips</u></p> <p>Approximately 5 x 5mm In joints between window frames and walls</p>	m	144	
	<p>Carried to Collection</p>		R	
	<p>Section No. 2 Repairs and Renovations Bill No. 4 Waterproofing Ramgoolam (Pty) Ltd</p>			

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Item No		Quantity	Rate	Amount
	<u>BILL NO 5</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	<u>Note:</u>			
	The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder			
	<u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u>			
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
	<u>0,58mm "Brownbuilt Klip-Lok 700" roof sheeting system complete with all fittings and fixtures installed strictly according to manufacturers specification. Chromadek finish (Colour: Dark Dolphin)</u>			
1	Roof covering with pitches not exceeding 25 degrees with side laps sealed with 6 x 20mm closed cell bitumen impregnated polyurethane foam strips and seam stitched	m2	1,330	
2	Ridge cappings 450mm girth	m	152	
3	Cover flashings 200mm girth	m	152	
4	Side wall flashings 450mm girth	m	152	
5	Head wall flashings 450mm girth	m	152	
6	Standard narrow and broad flute closers	m	152	
7	Moulded narrow and broad rib polyethylene filler blocks	m	152	
	Carried to Collection		R	
	Section No. 2 Repairs and Renovations Bill No. 5 Roof Coverings Ramgoolam (Pty) Ltd			

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Item No	Quantity	Rate	Amount
<p><u>BILL NO 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>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</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p>Carried to Collection</p>			<p>R</p>
<p>Section No. 2 Repairs and Renovations Bill No. 6 Carpentry and Joinery Ramgoolam (Pty) Ltd</p>			

(CPAP WORK GROUP NO. 126) unless otherwise stated

ROOFS ETC

SUPPLEMENTARY PREAMBLES

Plate nailed timber roof truss construction etc

Tenderers are to make allowance in their rates for additional expenses in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building

The design of prefabricated roof trusses, bracings and secondary members forming part of the total timber roof construction shall be prepared by a professional structural engineer- Truss System Engineer

A copy of letter reference TR1 and TR2 must be completed and signed by the Truss System Engineer and submitted to the Architect

The tenderer is to allow in his rates for the roof trusses for the design, manufacture, supply, hoisting and fixing of the roof trusses and permanent bracings, any necessary temporary bracing, and for the costs of all inspections by the Truss System Engineer

Trusses are at maximum 1150mm centres

Roof coverings are 0,58mm embossed profile metal sheets on 50 x 76mm purlins

Ceilings are 12.5mm gypsumboard or mineral wool suspended ceilings on 38 x 50mm brading or metal tees

Sawn softwood

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 6
Carpentry and Joinery
Ramgoolam (Pty) Ltd

**PLATE NAILED TIMBER ROOF TRUSS
CONSTRUCTION ETC**

1	Design, manufacture, supply, hoist and fix including trusses, rafters, temporary and permanent bracings, purlins, wall plates, runners, gangboards, valley boards, teco products, and removal of existing roof trusses etc all as per Engineers details. Roof pitch is 22,5 degrees. Floor area is 289.23m2		Item
2	Design, manufacture, supply, hoist and fix including trusses, rafters, temporary and permanent bracings, purlins, wall plates, runners, gangboards, valley boards, teco products, and removal of existing roof trusses etc all as per Engineers details. Roof pitch is 22,5 degrees. Floor area is 290.92m2		Item
3	Extra over for wrought splayed purlins at eaves	m	1,865
	<u>Sundries</u>		
4	Two coats creosote on wall plate and exposed roof timbers	m2	44

Tenderers are to make allowance in their rates for additional expenses in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building

EAVES, VERGES, ETC

High density plain fibre-cement flat sheets

EVERITE NUTEC pressed fibre-cement fascia boards 12mm thick with aluminium H-profile fascia joiners (Product no. 685-195) screwed to soffit batten and purlin with cadmium-plated screws. Fixing to be hidden and no short fascia lengths permitted. Fascias to be sealed all sides.

5	12 x 225mm Fascias, including galvanised steel H-profile joiners (product no. 685-195)	m	344
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Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 6
Carpentry and Joinery
Ramgoolam (Pty) Ltd

	<u>EVERITE NUTEC pressed fibre-cement barge boards 12mm thick with aluminium H-profile fascia joiners (Product no. 685-195) screwed to soffit batten and purlin with cadmium-plated screws. Fixing to be hidden and no short fascia lengths permitted. Fascias to be sealed all sides.</u>				
6	80 x 275mm Barge boards, including aluminium H-profile joiners etc	m	191		
	<u>SKIRTINGS</u>				
	<u>RAILS</u>				
	<u>S A Pine</u>				
7	22 x 45mm Rebated and moulded dado rail	m	8		
	<u>DOORS ETC</u>				
	<u>Soild flush panel door leaf with veneer with 6.4mm laminated safety glass fanlights as per Bruply</u>				
8	40mm Door 813 x 2032mm high	No	32		
	<u>Soild flush panel 1 and a half door leaf with veneer as per Bruply sanded down and treated with "Ruboult"</u>				
9	40mm Door 1575 x 2032mm high	No	1		
	<u>Soild flush panel door leaf with veneer as per Bruply</u>				
	<u>CUPBOARDS TO KITCHENS, BEDROOMS, ETC</u>				
	<u>High density plain fibre-cement fascias</u>				
Carried to Collection				R	
Section No. 2 Repairs and Renovations Bill No. 6 Carpentry and Joinery Ramgoolam (Pty) Ltd					

SUPPLEMENTARY PREAMBLES

The following cupboard fittings have been given as complete units i.e. the components of the units have not been given separately. Descriptions of such units shall, therefore, be deemed to include all components, assembling, housing, notching, glueing, blocking, planting-on and screwing with countersunk screws, edge strips, thermosetting plastic laminate, glass, ironmongery, metalwork, paint or varnish finishes, etc

Prices are to include for all necessary filler pieces against walls etc

References

References given in descriptions refer to the respective types of fittings detailed on the architect's drawings numbered annexed to these bills of quantities for tender purposes

Kitchen cupboards etc with hinges, handles and drawer slides

10	Floor drawers type 4100 x 540 x 850mm high with 16mm thick red oak "Bison Ply" with finish on both sides with 10mm solid red oak edging stripsto all exposed edges with edging strip corners cut at 45 degrees counter backing with steel draw sliding track and flush door handle as per "Buchel" code B3641 with granite tops	No	1
11	Floor cupboard type 4100 x 540 x 850mm high with 22mm and 16mm thick red oak "bison ply" finish on both sides with 10mm solid red oak edging stripsto to all exposed edges eith edging strip corners cut at 45 degrees counter backing with single hinged door with flush door handle as per " Buchel" code B 3641 with magneic catch and granite tops	No	1
12	Floor cupboard type 8200 x 540 x 850mm high with 22mm and 16mm thick red oak "bison ply" finish on both sides with 10mm solid red oak edging stripsto to all exposed edges eith edging strip corners cut at 45 degrees counter backing with double hinged doors with flush door handle as per " Buchel" code B 3641 with magneic catch and granite tops	No	1

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 6
Carpentry and Joinery
Ramgoolam (Pty) Ltd

13	Sink cupboard type 7500 x 540 x 850mm high with 50 x 25 x 2.5 mm mild steel hollow section fasten ed to wall using M10 heavy duty expansion bolt including 45 x 22 mm solid red oak with edges cut at 45 degrees (sink elsewhere measured)	No	1		
	<u>Store room shelves etc</u>				
14	Store room shelves type 2250 x 900 x 2900mm high including 25 x 50 x 2.5mm mild steel hollow section framework bolted with M10 heavy duty bolts with 25mm thick hardwood fixed to steel frame and 50 x 25 x 2.5mm thick mild steel bracket welded to frame and fixed to floor using M10 heavy duty bolts with adjustable foot (inner shelves-not fixed to the wall)	No	3		
15	Store room shelves type 2250 x 880 x 2900mm high including 25 x 50 x 2.5mm mild steel hollow section framework bolted with M10 heavy duty bolts with 25mm thick hardwood fixed to steel frame and 100 x 50 x 25 x 2.5mm thick mild steel bracket welded to frame and fixed to floor using M10 heavy duty bolts with adjustable foot	No	2		
	<u>Classroom cupboards</u>				
16	Passage cupboards type 2500 x 600 x 1300mm,16mm thick red oak "BISON PLY" with finish on both sides with 10mm solid red oak edging strips to all exposed edges with edging strip corners to be 45 degrees counter backing	No	20		
	<u>Reception desk</u>				
17	Desk CSS type 2600 x 1250mm high with 16mm melowood timber finish chipboard cupboards doors, drawer frompanels with PVC impact edge strips including 3.2mm white masonite back panel cupboards with cylinder-lock doors and 32mm thick local granite tops comprising of 6 cupboards	No	1		
Carried to Collection				R	
Section No. 2 Repairs and Renovations Bill No. 6 Carpentry and Joinery Ramgoolam (Pty) Ltd					

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Item No	Quantity	Rate	Amount
<p><u>BILL NO 7</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>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</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></p> <p><u>CEILING TIMBERS, BEADS, INSULATION, ETC</u></p>			
<p>Carried to Collection</p>			R
<p>Section No. 2 Repairs and Renovations Bill No. 7 Ceilings, Partitions and Access Flooring Ramgoolam (Pty) Ltd</p>			

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[illegible]

Item No		Quantity	Rate	Amount
	<u>BILL NO 8</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>			
	<u>PREAMBLES</u>			
	<u>Note:</u>			
	The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SELF LEVELLING SCREEDS</u>			
	<u>Laying</u>			
	Self-levelling screed to be laid on a dry clean surface. Screed to be laid in accordance with the manufacturer's specification with the relevant primers and bonding agents. Floor must comply with SABS 0155 1980 where no wave should exceed 3mm over a 3m span			
	<u>Fixing</u>			
	Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc			
	<u>FLOOR COVERINGS</u>			
	<u>2mm thick fully flexible vinyl sheeting as per Architects specification, acrylic adhesive to be laid on and including new TAL screedmaster self-levelling screed according to the manufacturer's specification</u>			
1	On floors	m2	1,330	
	Carried to Collection		R	
	Section No. 2 Repairs and Renovations Bill No. 8 Floor Coverings, Wall Linings, etc. Ramgoolam (Pty) Ltd			

<u>POLISH, SEALERS, ETC</u>		
2	2 coats wax polish on vinyl flooring	m2 1,330
Carried to Collection		R
Section No. 2 Repairs and Renovations Bill No. 8 Floor Coverings, Wall Linings, etc. Ramgoolam (Pty) Ltd		

[illegible]

Item No	Quantity	Rate	Amount
<p><u>BILL NO 9</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p>			
<p>Carried to Collection</p>			<p>R</p>
<p>Section No. 2 Repairs and Renovations Bill No. 9 Ironmongery Ramgoolam (Pty) Ltd</p>			

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
AN Anodised natural
AS Anodised silver
AB Anodised bronze
AG Anodised gold
ABL Anodised black
PB Polished brass
PL Polished and lacquered
PT Epoxy coated
SD Sanded

(CPAP WORK GROUP NO. 132) unless otherwise stated

HINGES, BOLTS, ETC

"Union" or equal approved

1	SS 2BB BUTT HINGE EN1935GRD13 (JH-BB-STD-2-SS)	No	64	
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LOCKS

"EN-SUITE" LOCKS

The following locks are to be suitable for master key operation

"Union" or equal approved

2	4 lever union lock set	No	32	
3	Union Euro CYL Deadlock SS (L-2109-78SS)	No	21	
4	Union bathroom lock SS (2226-78SS)	No	2	

DOOR CLOSERS

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 9
Ironmongery
Ramgoolam (Pty) Ltd

	<u>"Dorma" or equal approved</u>				
5	R & P Closer EN3-6 SIL (DC300)	No	11		
	<u>HANDLES</u>				
	<u>"Union" or equal approved</u>				
6	350mm Back to back pull handle (5213BBSS)	Pairs	32		
	<u>LETTERS, NAMEPLATES, ETC</u>				
	<u>"Union" or equal approved</u>				
7	5mm Thick perspex plate with engraved and painted letters or numerals for office doors	No	32		
	<u>"Solid" or equal approved</u>				
8	Tea/Kitchen sign (SS5066-06SSE02)	No	1		
9	Male indicator sign (SS5066-06SSSE10)	No	1		
10	Female indicator sign (SS5066-06SSSE11)	No	1		
11	Paraplegic Toilet sign (SS5066-06SSSE14)	No	1		
12	150 x 150mm Anodised aluminium plate with fire exit, fire extinguisher, fire hose reel or fire hydrant symbol and directional signage	No	4		
	<u>KICK PLATES, ETC</u>				
	<u>Stainless steel kick plates and push plates</u>				
13	Kick plates 200 x 800mm wide	No	45		
	<u>ALUMINIUM VENTILATION LOUVRES</u>				
	<u>Trox natural anodised aluminium ventilation louvre fitted to hardwood door including cutting the hole in the door and fixing vent in place</u>				
14	<u>Louvres 400 x 400mm high</u>	No	8		
	<u>SUNDRIES</u>				
	Carried to Collection			R	
	Section No. 2 Repairs and Renovations Bill No. 9 Ironmongery Ramgoolam (Pty) Ltd				

	<u>"Union" or equal approved</u>				
15	Floor door stop satin SS (87001SS)	No	32		
16	Hat and coat hook with buffer (SS8025SS)	No	13		
	<u>BATHROOM FITTINGS</u>				
	<u>"Union" or equal approved</u>				
17	Sanitary bin	No	2		
18	32mm chromium plated back grab rail 800mm long, plugged	No	1		
19	32mm chromium plated side grab rail, plugged	No	1		
20	300 x 300 x 300 dogleg rail (code:DL2) with 80mm o/d flanges drilled and countersunk with three fixed screwed with stainless steel fixing screws with plastic wall plugs fasteners as per 'Railman' industries in 304 high quality stainless steel 32mm o/d Satin polished finish	No	1		
21	670 x 246mm cistern rail for Pearl (code: SR2A) as per 'Railman Industries' in 304 high quality stainless steel 32mm o/d Satin polished finish with 80mm o/d flanges drilled and countersunk with three fixed screwed with stainless steel fixing screws with plastic wall plugs fasteners as per 'Railman' industries in 304 high quality stainless steel 32mm o/d Satin polished finish	No	1		
22	'Rodan' Double toilet roll holder with spindle system for wall mounting RODX672 (code:359987) in 0.8mm stainless steel with satin finished surface folded front cover, cylinder lock with Franke standard key, for 2 rolls including stainless steel screws and dowels	No	17		
23	'Rodan' waste bin for wall mounting RODX605 (code:359983) in 0.8mm stainless steel with satin finished surface, cylinder lock with Franke standard key , 23 litres capacity including stainless steel screws and dowels	No	10		
	Carried to Collection			R	
	Section No. 2 Repairs and Renovations Bill No. 9 Ironmongery Ramgoolam (Pty) Ltd				

24	'Rodan' soap dispenser for wall mounting RODX619 (code: 359981) in 0.8mm stainless steel with satin finished surface, cylinder lock with Franke standard key, 1 litre soap push button in front including stainless steel screws and dowels	No	10
<u>BLINDS (PROVISIONAL)</u>			
	<u>Hunter Douglas SA supplying Luxaflex or equal approved manually operated 127mm 'Solar Bloc Grey' (code:240100), privacy and light control fabric vertical blinds complete with standard stacking flame retardant slats, recess fixed to walls Contact no: (011) 624-1222/3/4</u>		
25	673 x 511mm high overall (Window type SS21/SS21)	No	4
26	2000 x 2400mm high overall	No	8
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
	<u>Vitrex System 2000 Pin Boards of Flortime Premier pinning material (colour:misty) laminated to a soft board, the unit to be beaded all around with a aluminum channels surround mitred at the corners (code:2304). Pin board supplied complete with necessary fixing components and fixed in position strictly according to manufacturer's instructions.</u>		
27	Pinning boards size 1000 x 1500mm high	No	46
28	White boards size 1000 x 1500mm high	No	46
Carried to Collection			
Section No. 2 Repairs and Renovations Bill No. 9 Ironmongery Ramgoolam (Pty) Ltd			

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 10</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><u>(CPAP WORK GROUP NO. 136) unless otherwise stated</u></p> <p><u>STEEL GATES</u></p>			
<p>Carried to Collection</p>			<p>R</p>
<p>Section No. 2 Repairs and Renovations Bill No. 10 Metalwork Ramgoolam (Pty) Ltd</p>			

	<u>Gates</u>				
1	40 x 40 x 3mm Galvanised mild steel gate with mitred corners including pre-drilled holes for barrel bolt locking, including padlock, including 50 x 50 x 3mm square galvanised mild steel hollow section gate frame with mitred corners, bolted to concrete palisade posts through pre-drilled holes in steel frame, overall size 950 x 2195mm high as per gate schedule GT01	No	20		
2	Galvanised mild steel double gate with mitred corners including mentex flatex mesh welded to gate frame including 3 x 50 x 50mm square hollow section galvanised mild steel gate frame with mitred corners, bolted to concrete palisade posts through pre-drilled holes in steel frame, overall size 1700 x 2100mm high as per gate schedule GT03	No	1		
	<u>GALVANISED STEEL WINDOWS, DOORS, ETC</u>				
	<u>Standard industrial type rolled steel window sections with standard brass fittings and with standard 20 x 5mm flat section burglar bars to fixed and opening sections</u>				
3	Window type SS21/SS21, 673 x 511mm high overall	No	20		
4	Window type, 2000 x 2400mm high overall	No	3		
	<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>				
	<u>1,6mm Single rebated mild steel frames suitable for one brick walls</u>				
5	Frame for door 813 x 2032mm high	No	31		
	<u>1,6mm Single rebated mild steel frames suitable for one brick walls (180 degrees swing)</u>				
6	Frame for door 1690 x 2032mm high	No	1		
	<u>SERVICING OF EXISTING STEEL DOOR FRAMES</u>				
	<u>Overall, adjust, service, replace missing or broken hinges, striking plate, etc and leave in perfect working condition</u>				
7	Frame for door 813 x 2032mm high in one brickwall	No	2		
	Carried to Collection			R	
	Section No. 2 Repairs and Renovations Bill No. 10 Metalwork Ramgoolam (Pty) Ltd				

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 11</u></p> <p><u>PLASTERING</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>GRANOLITHIC</u></p> <p><u>Method</u></p> <p>The method to be used shall be either the monolithic method or the bonded method</p> <p><u>Preparation</u></p> <p>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</p>			
<p>Carried to Collection</p>			<p>R</p>
<p>Section No. 2 Repairs and Renovations Bill No. 11 Plastering Ramgoolam (Pty) Ltd</p>			

Mix

Granolithic shall attain 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 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

Carried to Collection

Section No. 2
Repairs and Renovations
Bill No. 11
Plastering
Ramgoolam (Pty) Ltd

R

<u>Colour</u>					
Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour					
<u>(CPAP WORK GROUP NO. 142) unless otherwise stated</u>					
<u>PREAMBLES</u>					
The contractor is referred to relevant Clause in the document Model Preambles for Trades and Methods as published by the Association of South African Quantity Surveyors (2008 edition)					
<hr/>					
<hr/>					
<u>SCREEDS</u>					
<u>Cement plaster screeds steel trowelled, on concrete</u>					
1	Average 20mm thick on roofs with upper surface to falls	m2	1,590		
<u>GRANOLITHIC</u>					
<u>Non-slip untinted granolithic, on concrete</u>					
2	35mm Thick on floors	m2	60		
3	35mm Thick on floors	m2	114		
<u>INTERNAL PLASTER</u>					
<u>15mm Cement plaster steel trowelled, on brickwork</u>					
4	On walls	m2	362		
5	On narrow widths	m2	6		
<u>EXTERNAL PLASTER</u>					
<u>Cement plaster wood floated, on brickwork</u>					
6	On walls	m2	541		
Carried to Collection				R	
Section No. 2 Repairs and Renovations Bill No. 11 Plastering Ramgoolam (Pty) Ltd					

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 12</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p><u>Note:</u></p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>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</p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the "Tal Professional" ("Ceresit Tylon") range of products as recommended by the manufacturer of the tiles</p> <p><u>(CPAP WORK GROUP NO. 144) unless otherwise stated</u></p> <p><u>WALL TILING</u></p>			
<p>Carried to Collection</p>			<p>R</p>
<p>Section No. 2 Repairs and Renovations Bill No. 12 Tiling Ramgoolam (Pty) Ltd</p>			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	<u>Note:</u>			
	The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder			
	<hr/>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Wire gratings</u>			
	Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings			
	<u>Stainless steel basins, sinks, wash troughs, urinals, etc</u>			
	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			
	<u>Sealing of edges</u>			
	Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone			
	Carried to Collection		R	
	Section No. 2 Repairs and Renovations Bill No. 13 Plumbing and Drainage (Provisional) Ramgoolam (Pty) Ltd			

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 "Plasson" or "Alprene" compression fittings

"Polycop" 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 "Polylock" 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 "Maksal" 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 "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 13
Plumbing and Drainage (Provisional)
Ramgoolam (Pty) Ltd

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

"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.

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

Carried to Collection

Section No. 2
Repairs and Renovations
Bill No. 13
Plumbing and Drainage (Provisional)
Ramgoolam (Pty) Ltd

R

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 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)

Carried to Collection

R

Section No. 2

Repairs and Renovations

Bill No. 13

Plumbing and Drainage (Provisional)

Ramgoolam (Pty) Ltd

(CPAP WORK GROUP NO. 148) unless otherwise stated

RAINWATER DISPOSAL

Seamless aluminium gutters and rainwater pipes with baked enamel finish

Seamless aluminium prepainted gutters and rainwater pipes

1	75 x 125mm PVC gutters	m	325
2	Extra over gutter for outlet for 100 x 75mm pipe	No	14
3	Extra over gutter for stopped end	No	14
4	100 x 75mm Rainwater pipes	m	53
5	Extra over rainwater pipe for shoe	No	14
6	Extra over rainwater pipe for eaves or plinth offset	No	27

(CPAP WORK GROUP NO. 148) unless otherwise stated

SANITARY FITTINGS

"Franke Stainless Steel" or equal approved

7	Projectline inset sink, 1160 x 460mm model PLN621 with satin finish and supplied complete with 38mm PVC waste fittings and plug to be fitted to kitchen counter top (Contact person: Sam Joseph (082) 411-2555)	No	2
8	1,2mm Grade 304 18/10 stainless steel CH slop hopper code: 351350) size 540 x 540 x 415mm deep, 100mm high integral splashback, 110mm waste outlet with integral flushing rim fitted with a 38 x 250mm long vertical flush pipe inlet in cobra FM with a hinged bucket grid fitted over funnel, fixed to wall with 2No. 40 x 40mm square stainless steel galleys brackets bolted with 4No. anchor bolts 600mm from finished level	No	1

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 13
Plumbing and Drainage (Provisional)
Ramgoolam (Pty) Ltd

	<u>"Vaal Vitreous China" or equal approved</u>				
9	'Ecoline' (code:773561) close coupled 90 degree outlet closed rim washdown pan and matching 6 litre top dual flush cistern complete with lid, fitments, quality themoset seat and fixing screws installed strictly according to manufactures specification	No	2		
10	'Lavatera' wall hung urinal 600 x 385 x 380mm with top inlet (code:705426) including to inlet fittings (code:7054Z1) with a 38mm c.p domical grating, a spreader (with a 20mm diameter thread) and two hanger brackets installed strictly in accoradnce to manufacturer's specification (Contact: Andy Camphausen (083) 288-4536)	No	1		
	<u>Atlas Plastic or similar approved and installed according to manufacturers specification</u>				
11	Charlog christy wash hand basin with galvanised brackets and fittings, fixed to brickwork	No	10		
12	CHARLOG 200 VIP pedstal c/w seat and pan (Code:222 AP C/W) with Altas 200 VIP Funnel (Code: 224 AP)	No	17		
13	Toilet Seat Cover	No	17		
	<u>WASTE UNIONS ETC</u>				
	<u>"Cobra Watertech" or equal approved</u>				
14	Chrome plated basin waste union (code: 303)	No	2		
15	38mm sink waste union	No	2		
	<u>TRAPS ETC</u>				
	<u>PVC</u>				
16	38mm "P" or "S" trap	No	12		
	<u>"Cobra Watertech" or equal approved</u>				
17	Chrome bottle trap (code:345/50P)	No	2		
	<u>TAPS, VALVES, ETC</u>				
	Carried to Collection			R	
	Section No. 2 Repairs and Renovations Bill No. 13 Plumbing and Drainage (Provisional) Ramgoolam (Pty) Ltd				

	<u>Brass</u>				
18	Fullway isolating ball valve (code:1090-15)	No	3		
19	Fullway isolating ball valve (code:1090-20)	No	3		
20	35mm Flush valve	No	2		
	<u>"Cobra Watertech" or equal approved</u>				
21	Cobra Carina pillar taps 115CA	No	14		
22	Cobra Carina wall mounted sink mixer with swivel outlet 266/041/10CA with S-041/10	No	1		
23	Chrome angle regulating valve, including 350mm braided flexi hose (code: 832/350F)	No	6		
24	Chrome Flush pipe (code:FJT5.5)	No	2		
25	PB1.10RB vacuum breaker	No	2		
26	PA3.522 "Masterflo 1" pressure control valve with vacuum breaker	No	1		
	<u>SANITARY PLUMBING</u>				
	<u>uPVC soil and vent pipes</u>				
27	50mm Pipes	m	48		
28	50mm Pipes chased into concrete or brickwork	m	6		
29	110mm Pipes	m	15		
	<u>Extra over uPVC soil and vent pipes for fittings</u>				
30	50mm Bend	No	18		
31	50mm Junction	No	6		
32	50mm Access bend	No	8		
33	50mm Access junction	No	8		
34	50mm Two-way vent valve	No	4		
	Carried to Collection			R	
	Section No. 2				
	Repairs and Renovations				
	Bill No. 13				
	Plumbing and Drainage (Provisional)				
	Ramgoolam (Pty) Ltd				

35	110mm Pan connector	No	2		
36	110mm Bend	No	2		
37	110mm Junction	No	2		
38	110mm Reducing junction	No	2		
39	110mm Access bend	No	4		
40	110mm Access bend with anti-syphon horn	No	2		
41	110mm Two way vent valve	No	2		
	<u>Testing</u>				
42	Testing waste pipe system		Item		
	<u>WATER SUPPLIES</u>				
	<u>Class 2 copper pipes with brass compression couplings</u>				
43	15mm Pipes	m	30		
44	15mm Pipes chased into brickwork or concrete	m	15		
45	22mm Pipes	m	30		
46	22mm Pipes chased into brickwork or concrete	m	15		
	<u>Extra over Class 2 copper pipes for capillary fittings</u>				
47	15mm Fittings	No	13		
48	22mm Fittings	No	10		
	<u>Extra over Class 2 copper pipes for brass compression fittings</u>				
49	15mm Fittings	No	10		
50	22mm Fittings	No	10		
	<u>Flexible service pipes</u>				
51	15mm Service pipe 350mm girth	No	5		
	Carried to Collection			R	
	Section No. 2				
	Repairs and Renovations				
	Bill No. 13				
	Plumbing and Drainage (Provisional)				
	Ramgoolam (Pty) Ltd				

	<u>Testing</u>				
52	Testing water pipe system		Item		
	<u>ELECTRIC WATER HEATERS</u>				
	<u>"Kwikot" or equal approved</u>				
53	150Litre "Megaflo" floor/wall mounted electric water heater	No	1		
54	10 Litre "Prisma" over-basin electric water heater	No	1		
	<u>DRIP TRAYS</u>				
	<u>0,6mm Galvanised sheet steel</u>				
55	Drip tray suitable for 150Litre water heater, with 100mm high upstand all round with top edge bent over and with 50mm threaded outlet union	No	1		
	<u>FIRE APPLIANCES ETC</u>				
56	4.5kg Dry chemical powder fire extinguisher	No	3		
	<u>WATER SUPPLIES TO FIRE APPLIANCES</u>				
	<u>Class 2 copper pipes with brass compression couplings</u>				
	<u>Extra over Class 2 copper pipes for brass compression fittings</u>				
	<u>Testing</u>				
57	Testing water pipe system		Item		
	<u>HOLES ETC</u>				
	<u>Core drilling hole for pipe not exceeding 50mm diameter</u>				
58	Through one brick wall faced one side	No	4		
	<u>Core drilling hole for pipe exceeding 50mm and not exceeding 100mm diameter</u>				
59	Through one brick wall faced one side	No	2		
	Carried to Collection			R	
	Section No. 2 Repairs and Renovations Bill No. 13 Plumbing and Drainage (Provisional) Ramgoolam (Pty) Ltd				

FRENCH DRAIN

60 Excavate in earth for and build French drain 10,0m long x 0,60m wide x 2,0m deep with 110mm diameter slotted uPVC pipe wrapped in "Kaymat" U14 geofabric filter material and encased in 40 to 75mm diameter stones to a height of 0,80m, backfill top with earth to ground level

No

5

Carried to Collection

R

Section No. 2
Repairs and Renovations
Bill No. 13
Plumbing and Drainage (Provisional)
Ramgoolam (Pty) Ltd

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Item No	Quantity	Rate	Amount
<u>BILL NO. 14</u>			
<u>GLAZING</u>			
<u>PREAMBLES</u>			
<u>Note:</u>			
The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Float glass</u>			
The term "float glass" is used for monolithic annealed glass			
<u>Laminated glass</u>			
Laminated glass to have polyvinyl butyral (PVB) interlayer(s)			
<u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u>			
<u>GLAZING TO STEEL WITH PUTTY</u>			
<u>6.4mm Laminated safety glass (SAGGA Certificate to be provided)</u>			
1	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	6
2	Panes exceeding 0,5m ² and not exceeding 2m ²	m2	309
<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>			
Carried to Collection			R
Section No. 2 Repairs and Renovations Bill No. 14 Glazing Ramgoolam (Pty) Ltd			

<u>4mm Polished mirror with beveled edge, fixed wall with dome mirror screws</u>	No	13	R
3 Mirror 400 x 700mm high with four screws			
Carried to Collection			
Section No. 2 Repairs and Renovations Bill No. 14 Glazing Ramgoolam (Pty) Ltd			

[illegible]

Item No		Quantity	Rate	Amount
	<p>BILL NO. 15</p> <p>PAINTWORK</p> <p>PREAMBLES</p> <p>Note:</p> <p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <hr/> <p>SUPPLEMENTARY PREAMBLES</p> <p>PAINT SPECIFICATIONS</p> <p>All paints shall be "Plascon" and done in accordance with "Plascon" specifications or equal approved</p> <p>COLOURS</p> <p>Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091</p> <p>(CPAP WORK GROUP NO. 152) unless otherwise stated</p> <p>PAINTWORK ETC TO NEW WORK</p> <p>ON INTERNAL FLOATED PLASTER SURFACES</p> <p><u>One coat Plascon plaster primer UC56 and two coats Double Velvet luxury wall coating paint (colour as per Architect)</u></p>			
1	Walls	m2	2,150	
	Carried to Collection		R	
	Section No. 2 Repairs and Renovations Bill No. 15 Paintwork Ramgoolam (Pty) Ltd			

	<u>One coat Plascon plaster primer UC56 and two coats Velvago wall coating paint (colour as per Architect)</u>				
2	Walls	m2	2,150		
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
	<u>One coat Plascon plaster primer UC56 and two coats Double Velvet luxury wall coating paint (colour as per Architect)</u>				
3	Walls	m2	192		
	<u>ON PLASTERBOARD SURFACES</u>				
	<u>One coat alkali resistant primer and two coats Polvin super acrylic PVA emulsion paint</u>				
4	Ceilings and cornices ("White" colour group)	m2	1,710		
5	Ceilings and cornices, including priming metal cover strips and nailheads	m2	176		
	<u>One coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on steel</u>				
6	Door frames	No	65		
	<u>ON FIBRE-CEMENT BOARD SURFACES</u>				
	<u>One coat alkali resistant primer and two coats superior quality acrylic PVA</u>				
7	Fascias and barge boards, including priming metal jointing strips (Provisional)	m2	75		
	<u>ON WOOD SURFACES</u>				
	<u>Two coats of Plascon Velgo White (vlo 1)</u>				
8	Doors	m2	56		
9	Skirtings and beads etc not exceeding 300mm girth	m	163		
Carried to Collection				R	
Section No. 2 Repairs and Renovations Bill No. 15 Paintwork Ramgoolam (Pty) Ltd					

	<u>Treatment with cold galvanise as per manufacturers specification</u>				
10	Single security gate	m2	45		
11	Double security gate	m2	3		
	<u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u>				
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
	<u>One coat Plascon plaster primer UC56 and two coats Double Velvet luxury wall coating paint (colour as per Architect)</u>				
12	Epoxy paint on floors	m2	80		
	<u>ON PVC SURFACES</u>				
	<u>One coat water based galvanised iron acrylic primer and two coats pure acrylic roof coating, on galvanised steel. Preparation carried out as per Supplementary Preamble</u>				
13	Existing exposed PVC plumbing and drainage pipes not exceeding 300mm girth	m	6		
Carried to Collection				R	
Section No. 2 Repairs and Renovations Bill No. 15 Paintwork Ramgoolam (Pty) Ltd					

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[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO. 1</u>			
<u>DEMOLITIONS AND SITE CLEARANCE</u>			
<u>PREAMBLES</u>			
<u>Note:</u>			
The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder			
<u>SUPPLEMENTARY PREAMBLES</u>			
The SUPPLEMENTARY PREAMBLES applicable to the same trade in the preceding Sections, apply equally to this BILL			
<u>(CPAP WORK GROUP NO. 102) unless otherwise stated</u>			
<u>DEMOLITIONS ETC</u>			
<u>Breaking up, taking down and removing</u>			
1	Demolition of existing water tank stand size 2500 x 2500mm and cart away of rubble. Area to be reinstated.	No	7
<u>Taking down and removing</u>			
2	Steel weldmesh fence 3000mm high with timber or steel posts, standards etc and double gates	m	367
Carried Forward to Summary of Section No. 3			R
Section No. 3 External Works Bill No. 1 Demolitions and Site Clearance Ramgoolam (Pty) Ltd			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ASSEMBLY AREA (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	<u>Note:</u>			
	The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Testing of material and filling</u>			
	Descriptions of earth filling, compaction, etc shall be deemed to include for all necessary testing required in accordance with the SABS 1200 series			
	<u>(CPAP WORK GROUP NO. 154) unless otherwise stated</u>			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, trees not exceeding approximately 500mm girth, manhole covers and frames, stopcock boxes etc and generally grade, fill up small holes etc	m2	1,247	
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Over site between buildings, etc to reduce levels and dispose in prescribed stock piles on site	m3	187	
	Carried to Collection		R	
	Section No. 3 External Works Bill No. 2 Assembly Ramgoolam (Pty) Ltd			

	<u>Extra over excavation in earth for excavation in</u>				
3	Soft rock	m3	37		
4	Hard rock	m3	56		
	<u>Extra over all excavations for carting away</u>				
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	94		
	<u>Keeping excavations free of water</u>				
6	Keeping excavations free of water other than subterranean water			Item	
	<u>Earth filling of approved selected filler material supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
7	to form platforms	m3	17		
	<u>Compaction of surfaces</u>				
8	Compaction of ground surfaces under roadworks etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density (Roadbed)	m2	1,247		
	<u>Sundries</u>				
9	Apply Bromosoil or equal approved herbicide to river sand bedding under paving in strict accordance with the manufacturer's instruction	m2	1,247		
	<u>80mm thick 30MPa precast concrete grey interlocking block paving blocks in accordance with SANS 1058, laid to falls on and including 25mm thick sand layer with joints filled in with sand, compacted with a vibration compactor</u>				
10	Paving to roadworks and parking areas to falls	m2	1,247		
Carried to Collection				R	
Section No. 3 External Works Bill No. 2 Assembly Ramgoolam (Pty) Ltd					

	<u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u>				
11	150 x 300mm High kerbs (SANS 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc	m	144		

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>CONCRETE OPEN WALKWAYS AND STAIRS</u>			
	<u>PREAMBLES</u>			
	<u>Note:</u>			
	The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder			
	<hr/>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	The SUPPLEMENTARY PREAMBLES applicable to the same trade in the preceding Sections, apply equally to this BILL			
	<u>WALKWAY</u>			
	<u>(CPAP WORK GROUP NO. 104) unless otherwise stated</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Trenches	m3	42	
2	Thickening under walkways	m3	28	
	<u>Extra over all excavations for carting away</u>			
3	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	19	
	<u>Keeping excavations free of water</u>			
4	Keeping excavations free of all water other than subterranean water	Item		
	Carried to Collection		R	
	Section No. 3 External Works Bill No. 3 Walkways Ramgoolam (Pty) Ltd			

FILLING, ETC:

Earth filling of granular material supplied by the contractor, compacted to 95% Mod AASHTO density

5	Under floors	m3	28	
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Coarse river sand filling supplied by the contractor

6	Under floors etc	m3	14	
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Compaction of surfaces

7	Compaction of ground surface under floors etc including scarifying for a depth of 100mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2	282	
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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/m²

8	Under floors (Cerificate must be provided)	m2	282	
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CONCRETE

(CPAP WORK GROUP NO. 110) unless otherwise stated

REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

30MPa/19mm concrete reinforced concrete cast on/in formwork

9	Walkway cast on waterproofing	m3	28	
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10	Ramps	m3	8	
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Finishing top surfaces of concrete smooth with a wood float to a non-slip surface

11	Walkways to falls	m2	25	
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FORMWORK

Carried to Collection

R

Section No. 3
External Works
Bill No. 3
Walkways
Ramgoolam (Pty) Ltd

	<u>(CPAP WORK GROUP NO. 111) unless otherwise stated</u>				
	<u>Smooth formwork to sides</u>				
12	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	312		
	<u>REINFORCEMENT</u>				
	<u>(CPAP WORK GROUP NO. 114) unless otherwise stated</u>				
	<u>Fabric reinforcement</u>				
13	Type 617 fabric reinforcement in concrete walkways	m2	282		
	<u>WATERPROOFING</u>				
	<u>(CPAP WORK GROUP NO. 120) unless otherwise stated</u>				
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with PVC self-adhesive tape</u>				
14	Under walkways	m2	282		
Carried to Collection				R	
Section No. 3 External Works Bill No. 3 Walkways Ramgoolam (Pty) Ltd					

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>ROADWORKS AND PARKING (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	<u>Note:</u>			
	The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Testing of material and filling</u>			
	Descriptions of earth filling, compaction, etc shall be deemed to include for all necessary testing required in accordance with the SABS 1200 series			
	<u>(CPAP WORK GROUP NO. 154) unless otherwise stated</u>			
	<u>SITE CLEARANCE ETC</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, trees not exceeding approximately 500mm girth, manhole covers and frames, stopcock boxes etc and generally grade, fill up small holes etc	m2	371	
	<u>Excavation in earth not exceeding 2m deep</u>			
2	Over site between buildings, etc to reduce levels and dispose in prescribed stock piles on site	m3	56	
	Carried to Collection		R	
	Section No. 3 External Works Bill No. 4 Roadworks and Parking Ramgoolam (Pty) Ltd			

	<u>Extra over excavation in earth for excavation in</u>				
3	Soft rock	m3	11		
4	Hard rock	m3	17		
	<u>Extra over all excavations for carting away</u>				
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	6		
	<u>Keeping excavations free of water</u>				
6	Keeping excavations free of water other than subterranean water			Item	
	<u>Earth filling of approved selected filler material supplied by the contractor, compacted to 95% Mod AASHTO density</u>				
7	to form platforms	m3	28		
	<u>Compaction of surfaces</u>				
8	Compaction of ground surfaces under roadworks etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density (Roadbed)	m2	371		
	<u>Sundries</u>				
9	Apply Bromosoil or equal approved herbicide to river sand bedding under paving in strict accordance with the manufacturer's instruction	m2	371		
	<u>80mm thick 30MPa precast concrete grey interlocking block paving blocks in accordance with SANS 1058, laid to falls on and including 25mm thick sand layer with joints filled in with sand, compacted with a vibration compactor</u>				
10	Paving to roadworks and parking areas to falls	m2	371		
Carried to Collection				R	
Section No. 3 External Works Bill No. 4 Roadworks and Parking Ramgoolam (Pty) Ltd					

	<u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u>				
11	150 x 300mm High kerbs (SANS 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc	m	156		
	<u>Road signs</u>				
12	Standard "STOP, DIRECTION" sign with 50mm diameter galvanised mild steel post bedded in and including unreinforced concrete base, including any necessary excavation, paint finish, etc	No	1		
	<u>Paintwork</u>				
	<u>Prepare and apply one coat white reflective road marking paint on precast concrete paving blocks</u>				
13	100mm Wide line	m	28		
14	Standard directional arrow signs not exceeding 2m2	No	2		
15	Standard paraplegic	No	1		
Carried to Collection				R	
Section No. 3 External Works Bill No. 4 Roadworks and Parking Ramgoolam (Pty) Ltd					

[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>WATER TANKS, BOOSTER PUMPS, CHLORINATION PLANT</u>			
<u>PREAMBLES</u>			
<u>Note:</u>			
The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder			
<u>SUPPLEMENTARY PREAMBLES</u>			
The SUPPLEMENTARY PREAMBLES applicable to the same trade in the preceding Sections, apply equally to this BILL			
<u>(CPAP WORK GROUP NO. 104) unless otherwise stated</u>			
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavate in earth not exceeding 2m deep.</u>			
1	Trenchs	m3	131
	<u>Extra over trench and hole excavations in earth for excavating in</u>		
2	Soft rock	m3	3
3	Hard rock	m3	3
	<u>Extra over all excavations for carting away</u>		
4	Surplus material from excavations and/or stockpiles on site, to a dumping site to be located by the contractor	m3	37
Carried to Collection			R
Section No. 3 External Works Bill No. 5 Water Tanks, Booster Pumps, Chlorination Plant Ramgoolam (Pty) Ltd			

	<u>Risk of collapse of excavations</u>				
5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	163		
	<u>Keeping excavations free of water</u>				
6	Keeping excavations free of all water other than subterranean water		Item		
	<u>Earth filling of excavated material</u>				
7	Backfilling to bases, trenches, holes, etc	m3	39		
	<u>Earth filling of G5 material supplied by the contractor, compacted in 150mm layers to 93% MOD AASHTO density</u>				
8	Under paving, concrete surface beds etc	m3	82		
	<u>Coarse sand or selected soil supplied by contractor compacted to 95% MOD AASHTO density</u>				
9	30mm thick Bedding Sand	m3	1		
	<u>Filling supplied by the contractor under parking areas, roadways, etc</u>				
10	150mm Insitu material rip and compacted to 93% MOD AASHTO	m3	21		
	<u>ADDITIONAL TEST REQUIRED</u>				
11	Modified AASHTO Density test	No	12		
	<u>SOIL POISONING</u>				
	<u>Weedkiller (active ingredients metalaclor 102,8 g/l, terbitilasien 248,6 g/l and atrisien 248,6 g/l) mixed in the proportion of 100 ml weedkiller to 100 l water and applied at a rate of 10 l/m2</u>				
12	In trenches, under slab etc.	m2	75		
	<u>CONCRETE, FORMWORKAND REINFORCEMENT</u>				
Carried to Collection				R	
Section No. 3 External Works Bill No. 5 Water Tanks, Booster Pumps, Chlorination Plant Ramgoolam (Pty) Ltd					

(CPAP) WORK GROUP NO. 110) unless otherwise stated

For Preambles refer to the Standard Preambles to All Trades - WB20 - and the Supplementary Preambles SUP1 to SUP5 and any amplification/s stated hereunder

SUPPLEMENTARY PREAMBLES

REINFORCED CONCRETE

30MPa/19mm concrete

13	Trenches	m3	14
14	Slab	m3	11

TEST CUBES

15	Making and testing 150 x 150 x 150mm concrete strength test cubes in sets as instructed by Engineer (Provisional)	No	12
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REINFORCEMENT

(CPAP WORK GROUP NO. 114) unless otherwise stated

Mild steel reinforcement to structural concrete work

16	Various diameter bars	t	1.500
	<u>Fabric reinforcement</u>		
17	Type 617 mesh reinforcement vertically in cavity of brickwalls	m2	75

(CPAP) WORK GROUP NO. 116) unless otherwise stated

BRICKWORK

18	One brick walls of two half brick skins with inner skin bagged and sealed	m2	168
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Carried to Collection

R

Section No. 3
External Works
Bill No. 5
Water Tanks, Booster Pumps, Chlorination Plant
Ramgoolam (Pty) Ltd

19	150mm Wide reinforcement built in horizontally	m	1,848
	<u>FACE BRICKWORK</u>		
20	Extra over brickwork for face brickwork	m ²	168
21	Fair raking cutting	m	163
	<u>PLUMBING AND DRAINAGE</u>		
	<u>"ALCO" OR similar approved</u>		
22	5000 Litre Polyethylene circular water tank with openings for overflow and 75 x 100mm inlet for rainwater pipes and outlet union for and including 15mm cobra demand bibtap KM2.203-15, including hoop iron strap cast 500mm into RC slab on either side	No	11
	<u>WATER CONNECTIONS FROM MAIN RETICULATION LINE TO BUILDINGS</u>		
	<u>"Polycop" polypropylene pipes with "Fast-fuse" thermoplastic couplings</u>		
23	22mm Pipes laid in and including trenches not exceeding 1m deep	m	30
24	28mm Pipes laid in and including trenches not exceeding 1m deep	m	25
	<u>Extra over "Polycop" polypropylene pipes for brass compression fittings</u>		
25	22mm Fittings	No	13
26	28mm Fittings	No	11
	<u>TAPS, VALVES, ETC</u>		
	<u>"Cobra Watertech" or equal approved</u>		
27	30mm 1065-30CP fullway gate valve	No	2
28	35mm 1065-35CP fullway gate valve	No	2

Carried to Collection

R

Section No. 3
External Works
Bill No. 5
Water Tanks, Booster Pumps, Chlorination Plant
Ramgoolam (Pty) Ltd

**Nzuza Secondary School
Storm Damage Programme**

[illegible]

[illegible]

Item No		Quantity	Rate	Amount
	<u>BILL NO 6</u>			
	<u>FENCING AND GATES</u>			
	<u>PREAMBLES FOR TRADES</u>			
	<p>The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained</p> <p>Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications</p>			
	<u>FENCING</u>			
	<u>High Security approved smartfence with PVC anthracite coating</u>			
1	Fence 2100mm high of Smart Fence PVC coated anthracite and including smartHT posts 2700mm long PVC coated anthracite including all accessories	m	367	
2	Gate 6000mm x 2100mm high double leaf swing gate with smartfence mesh infill PVC coated anthracite panels, including hinges, spring latch with catch, etc	No	1	
	Carried Forward to Summary of Section No. 3		R	
	Section No. 3			
	External Works			
	Bill No. 6			
	Fencing and Gates			
	Ramgoolam (Pty) Ltd			

[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO. 1</u>			
<u>PROVISIONAL SUMS</u>			
<u>PREAMBLES</u>			
<u>Note:</u>			
<p>The Contractor is referred to the relevant Clauses in the separate document Specifications of Materials and Methods to be Used (PW 371) Fourth Revision October 1993 and the Supplementary Preambles and any amplification/s stated hereunder</p> <p>_____</p> <p>_____</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>General</u>			
<p>Prime cost amounts and provisional sums are net. Prime cost amounts include for delivery to site of all articles concerned</p> <p>Provisional sums are for material and equipment supplied and installed complete by firms of specialists</p>			
<u>Profit</u>			
<p>Where stated, the contractor may allow for profit if required</p> <p><u>General attendance on nominated/selected subcontractors</u></p> <p>The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following:</p>			
Carried to Collection			R
Section No. 4 Provisional Sums Bill No. 1 Provisional Sums Ramgoolam (Pty) Ltd			

1	The services as set out in clause B9.1 of the Preliminaries			
2	Making good in all trades and cleaning down and removal of rubbish on completion			
<u>DECANTING</u>				
1	Provide the sum of R238,050.00 Two Hundred and Thirty Eight Thousand and Fifty Rand for the decanting relating but limited to temporary ablutions, temporary classrooms including power, fixed hoarding, dust proofing control etc.	Item		
2	Profit		%	
3	Attendance		%	
<u>DE-SLUDGE OF EXISTING PITS TO TOILETS</u>				
4	Provide the sum of R41,000.00 Forty One Thousand Rand for the de-sludging of the existing ablution pits	Item		
5	Profit		%	
6	Attendance		%	
<u>RETAINING STRUCTURES</u>				
7	Provide the sum of R75,200.00 Seventy Five Thousand Two Hundred Rand for the construction of retaining structures	Item		
8	Profit		%	
9	Attendance		%	
<u>EXISTING SERVICES</u>				
10	Provide the sum of R10,000.00 Ten Thousand Rand for the investigation and tracing of existing electrical, water, sewer etc. services network	Item		
11	Profit		%	
12	Attendance		%	
Carried to Collection			R	
Section No. 4 Provisional Sums Bill No. 1 Provisional Sums Ramgoolam (Pty) Ltd				

**ELECTRICAL INSTALLATIONS AND
RETICULATION**

13 Provide the sum of R1,102,500.00 One Million One Hundred and Two Thousand Five Hundred Rand for electrical installations and reticulation

Item

14 Profit

%

15 Attendance

%

Community Liaison Officer

16 Allow the sum of R100000(One Hundred ThousandRand)for Community Liason Officer

Item

100 000.00

17 Add for admin/handling fee on the above

Item

MINIMUM TARGETED ENTERPRISE DEVELOPMENT

A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.

18

PS

301 396.06

19 Allowance for profit all inclusive of associated costs to the contractor for implementation.

%

20 Allowance for attendance all inclusive of associated costs to the contractor for implementation.

%

Carried to Collection

R

Section No. 4
Provisional Sums
Bill No. 1
Provisional Sums
Ramgoolam (Pty) Ltd

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