	Brought Forward		R
	14.7.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(B)		
	14.7.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the **contractor**		
	14.8 Payments made by the guarantor to the **employer** in terms of the fixed or variable **construction guarantee** shall not prejudice the rights of the **employer** or **contractor** in terms of this **agreement**		
	14.9 Should the **contractor** fail to furnish the **security** in terms of 14.2, the **employer**, in his sole discretion and without notification to the **contractor**, is entitled to change the **contractor's** selected form of **security** to that of a ten per cent (10%) payment reduction of the value certified in the **payment certificate** (excluding VAT), whereafter 14.7 shall be applicable		
	Fixed:..... Value related:..... Time related:.....	Item	
	EXECUTION		
13	**A15 PREPARATION FOR AND EXECUTION OF THE WORKS**		
	Clause 15.0		
	Clause 15.1.1 is amended by replacing it with:		
	No Clause		
	Clause 15.1.2 is amended by replacing it with:		
	The **security** selected in terms of 14.0		
	Carried Forward		R

		Brought Forward		R
		Clause 15.1 is amended by the addition of the following clause: 15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty one (21) **calendar days** of **commencement date** Clause 15.2.1 is amended by replacing it with the following clause: Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1.2 and 15.1.4 Fixed:..... Value related:..... Time related:.....	Item	
14	**A16**	**ACCESS TO THE WORKS** Clause 16.0 Fixed:..... Value related:..... Time related:.....	Item	
15	**A17**	**CONTRACT INSTRUCTIONS** Clause 17.0 Clause 17.1.11 is amended by deleting the words "and the appointment of **nominated** and **selected subcontractors**" Fixed:..... Value related:..... Time related:.....	Item	
16	**A18**	**SETTING OUT OF THE WORKS** Clause 18.0 Fixed:..... Value related:..... Time related:.....	Item	
17	**A19**	**ASSIGNMENT** Clause 19.0 Fixed:..... Value related:..... Time related:.....	Item	
		Carried Forward		R

	Brought Forward		R
18	A20 NOMINATED SUB-CONTRACTORS Clause 20.0 Clause 20.1.3 is amended by replacing it with the following: No Clause Note: See item B9.1 hereinafter for adjustment of attendance on **nominated subcontractors** executing work allowed for under provisional sums Fixed:..... Value related:..... Time related:.....	Item	
19	**A21 SELECTED SUBCONTRACTORS** Clause 21.0 Clause 21 is amended by replacing it with: No Clause Fixed:..... Value related:..... Time related:.....	Item	
20	A22 **EMPLOYER'S DIRECT CONTRACTORS** Clause 22.0 Fixed:..... Value related:..... Time related:.....	Item	
21	**A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS** Clause 23.0 Fixed:..... Value related:..... Time related:.....	Item	
	COMPLETION		
22	**A24 PRACTICAL COMPLETION** Clause 24.0 Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

	Brought Forward		R
23	**A25 WORK'S COMPLETION** Clause 25.0 Fixed:..... Value related:..... Time related:.....	Item	
24	**A26 FINAL COMPLETION** Clause 26.0 Clause 26.1.2is amended by inserting "#" next to 26.1.2 Fixed:..... Value related:..... Time related:.....	Item	
25	**A27 LATENT DEFECTS LIABILITY PERIOD** Clause 27.0 Fixed:..... Value related:..... Time related:.....	Item	
26	**A28 SECTIONAL COMPLETION** Clause 28.0 Fixed:..... Value related:..... Time related:.....	Item	
27	**A29 REVISION OF DATE FOR PRACTICAL COMPLETION** Clause 29.0 Clause 29.2.5 is amended by replacing it with: No clause Fixed:..... Value related:..... Time related:.....	Item	
28	**A30 PENALTY FOR NON-COMPLETION** Clause 30.0 Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

	Brought Forward		R
	PAYMENT		
29	**A31 INTERIM PAYMENT TO THE CONTRACTOR**		
	Clause 31.0		
30	Clause 31.5.2 is amended by replacing "14.7.1"t with "14.0"		
	Clause 31.8 is amended by replacing it with the following two alternative clauses:		
	Alternative A		
	31.8(A) Where a **security** is selected in terms of 14.1; 14.5 or 14.6, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:		
	31.8(A).1 Ninety five per cent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion**		
	31.8(A).2 Ninety seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**		
	31.8(A).3 Ninety nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6		
	31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**		
	Alternative B		
	31.8(B) Where **security** is a payment reduction in terms of 14.7 the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:		
	Carried Forward		R

		Item	R
	Brought Forward		
	31.8(B).1 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**		
	31.8(B).2 Ninety seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**		
	31.8(B).3 Ninety nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6		
	31.8(B).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**		
	Clause 31.12 is amended by deleting the following:		
31	Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due		
	Fixed:..... Value related:..... Time related:.....		
32	**A32 ADJUSTMENT TO THE CONTRACT VALUE**		
	Clause 32.0		
	Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:		
	"due to no fault of the **contractor"**		
	Fixed:..... Value related:..... Time related:.....		
33	**A33 RECOVERY OF EXPENSE AND LOSS**		
	Clause 33.0		
	Fixed:..... Value related:..... Time related:.....		
	Carried Forward		R

	Brought Forward		R
34	**A34 FINAL ACCOUNT AND FINAL PAYMENT**		
	Clause 34.0		
	Clause 34.1 is amended by removing "#" next to 34.1		
	Clause 34.2 is amended by removing "#" next to 34.2		
	Clause 34.8 is amended by deleting the words "where **security** as a fixed **construction guarantee** in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1"		
	Clause 34.13 is amended by replacing "seven (7) **calendar days**" with "twenty one (21) **calendar days**" and deleting the words "subject to the **employer** giving the **contractor** a tax invoice for the amount due"		
	Fixed:..... Value related:..... Time related:.....	Item	
35	**A35 PAYMENT TO OTHER PARTIES**		
	Clause 35.0		
	Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

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CANCELLATION

A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT

Clause 36.0

Clause 36.1 is amended by the addition of the following clauses:

36.1.3 refuses or neglects to comply strictly with any of the conditions of contract

36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

36.1.5 in the judgement of the **employer**, has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contract

Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "**principal agent**" with "**employer**"

Clause 36.0 is amended by the addition of the following clause:

36.7 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever

Fixed:..... Value related:..... Time related:.....

Item

36 **A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE**

Clause 37.0

Clauses 37.3.5 is amended by replacing "ninety (90) with "one hundred and twenty (120)"

Carried Forward R

	Brought Forward		R
	Clause 37.0 is amended by the addition of the following clause: 37.5 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever Fixed:..... Value related:..... Time related:.....	Item	
37	**A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT** Clause 38.0 Clauses 38.5.4 is amended by replacing "ninety (90) with "one hundred and twenty (120)" Clause 38.0 is amended by the addition of the following clause: 38.7 Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor**; or for any reason whatsoever, the **contractor** shall on written instruction, discontinue with the **works** on a date stated and withdraw himself from the **site**. The **contractor** shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

	Brought Forward		R
38	**A39 CESSATION - CANCELLATION OF THE WORKS** Clause 39.0 Clauses 39.3.5 is amended by the addition of the following at the end of the sentence "within one hundred and twenty (120) **working days** of completion of such a report" Fixed:..... Value related:..... Time related:.....	Item	
39	**A40 DISPUTE SETTLEMENT** Clause 40.0 Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years" Clause 40.6 is amended by removing the reference to: No clause Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the **mediator** and related costs Fixed:..... Value related:..... Time related:.....	Item	
	SUBSTITUTE PROVISIONS		
40	**A41 STATE CLAUSES** Clause 41.0 Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

	Brought Forward		R
	CONTRACT VARIABLES		
	THE SCHEDULE		
41	**A42 PRE-TENDER INFORMATION** Clause 42.0 Tenderers are referred to the Contract Data Fixed:..... Value related:..... Time related:.....	Item	
	SECTION B: JBCC PRELIMINARIES		
	1: DEFINITIONS AND INTERPRETATION		
42	***Definitions and interpretation*** See also clause A1.0 of Section A for additional an/or amended definitions which shall apply to this Section Fixed:..... Value related:..... Time related:.....	Item	
	2: DOCUMENTS		
43	***Checking of documents*** Fixed:..... Value related:..... Time related:.....	Item	
44	***Provisional bills of quantities*** Fixed:..... Value related:..... Time related:.....	Item	
45	***Availability of construction documentation*** Fixed:..... Value related:..... Time related:.....	Item	
46	***Interests of agents*** Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

	Brought Forward		R
47	***Priced documents***		
	Fixed:..... Value related:..... Time related:.....	Item	
48	***Tender submission***		
	Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Invitation to Bid: (PA-32)"		
	Fixed:..... Value related:..... Time related:.....	Item	
	3: THE SITE		
49	***Defined works area***		
	Fixed:..... Value related:..... Time related:.....	Item	
50	***Geotechnical investigation***		
	Fixed:..... Value related:..... Time related:.....	Item	
51	***Inspection of the site***		
	Fixed:..... Value related:..... Time related:.....	Item	
52	***Existing premises occupied***		
	Fixed:..... Value related:..... Time related:.....	Item	
53	***Previous work - dimensional accuracy***		
	Fixed:..... Value related:..... Time related:.....	Item	
54	***Previous work - defects***		
	Fixed:..... Value related:..... Time related:.....	Item	
55	***Services - known***		
	Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

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				R
	Brought Forward			
56	***Services - known***			
	Fixed:..... Value related:..... Time related:.....		Item	
57	***Protection of trees***			
	Fixed:..... Value related:..... Time related:.....		Item	
58	***Articles of value***			
	Fixed:..... Value related:..... Time related:.....		Item	
59	***Inspection of adjoining properties***			
	Fixed:..... Value related:..... Time related:.....		Item	
	4: MANAGEMENT OF CONTRACT			
60	***Management of the works***			
	Fixed:..... Value related:..... Time related:.....		Item	
61	***Programme for the works***			
	Fixed:..... Value related:..... Time related:.....		Item	
62	***Progress meetings***			
	Fixed:..... Value related:..... Time related:.....		Item	
63	***Technical meetings***			
	Fixed:..... Value related:..... Time related:.....		Item	
64	***Project Steering Committee meetings***			
	Fixed:..... Value related:..... Time related:.....		Item	
	Carried Forward			R

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	Brought Forward			R
65	***Labour and plant records***			
	Fixed:..... Value related:..... Time related:.....		Item	
	5: SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS			
66	***Samples of materials***			
	Fixed:..... Value related:..... Time related:.....		Item	
67	***Workmanship samples***			
	Fixed:..... Value related:..... Time related:.....		Item	
68	***Shop drawings***			
	Fixed:..... Value related:..... Time related:.....		Item	
69	***Compliance with manufacturer's instructions***			
	Fixed:..... Value related:..... Time related:.....		Item	
	6: TEMPORARY WORKS AND PLANT			
70	***Deposits and fees***			
	Fixed:..... Value related:..... Time related:.....		Item	
71	***Enclosure of the works***			
	Fixed:..... Value related:..... Time related:.....		Item	
72	***Advertising***			
	Fixed:..... Value related:..... Time related:.....		Item	
73	***Plant, equipment, sheds and offices***			
	Fixed:..... Value related:..... Time related:.....		Item	
	Carried Forward			R

	Brought Forward			R
74	***Main notice board***			
	Fixed:..... Value related:..... Time related:.....	Item		
75	***Subcontractors' notice board***			
	Fixed:..... Value related:..... Time related:.....	Item		
	7: TEMPORARY SERVICES			
76	***Location***			
	Fixed:..... Value related:..... Time related:.....	Item		
77	***Water***			
	Fixed:..... Value related:..... Time related:.....	Item		
78	***Electricity***			
	Fixed:..... Value related:..... Time related:.....	Item		
79	***Telecommunication facilities***			
	Fixed:..... Value related:..... Time related:.....	Item		
80	***Ablution facilities***			
	Fixed:..... Value related:..... Time related:.....	Item		
	8: PRIME COST AMOUNTS			
	9: ATTENDANCE ON N/S SUBCONTRACTORS			
81	***General attendance***			
	Fixed:..... Value related:..... Time related:.....	Item		
	Carried Forward			R

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			R
	Brought Forward		
82	***Special attendance***		
	Fixed:..... Value related:..... Time related:.....	Item	
83	***Commissioning - fuel, water and electricity***		
	Fixed:..... Value related:..... Time related:.....	Item	
	10: FINANCIAL ASPECTS		
84	***Statutory taxes, duties and levies***		
	Fixed:..... Value related:..... Time related:.....	Item	
85	***Payment for preliminaries***		
	Fixed:..... Value related:..... Time related:.....	Item	
86	***Adjustment of preliminaries***		
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) **working days** of taking possession of the **site**" with "when submitting his priced **bills of quantities / lump sum document**"		
	Fixed:..... Value related:..... Time related:.....	Item	
87	***Payment certificate cash flow***		
	Fixed:..... Value related:..... Time related:.....	Item	
	11: GENERAL		
88	***Protection of the works***		
	Fixed:..... Value related:..... Time related:.....	Item	
89	***Protection / isolation of existing / sectionally occupied works***		
	Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

				R
	Brought Forward			
90	***Security of the works***			
	Fixed:..... Value related:..... Time related:.....		Item	
91	***Notice before covering work***			
	Fixed:..... Value related:..... Time related:.....		Item	
92	***Disturbance***			
	Fixed:..... Value related:..... Time related:.....		Item	
93	***Environmental disturbance***			
	Fixed:..... Value related:..... Time related:.....		Item	
94	***Works cleaning and clearing***			
	Fixed:..... Value related:..... Time related:.....		Item	
95	***Vermin***			
	Fixed:..... Value related:..... Time related:.....		Item	
96	***Overhand work***			
	Fixed:..... Value related:..... Time related:.....		Item	
97	***Instruction manuals and guarantees***			
	Fixed:..... Value related:..... Time related:.....		Item	
98	***As built information***			
	Fixed:..... Value related:..... Time related:.....		Item	
99	***Tenant installations***			
	Fixed:..... Value related:..... Time related:.....		Item	
	Carried Forward			R

	Brought Forward		R

12: SCHEDULE OF VARIABLES

100 ***Schedule of Variables***

Fixed:..... Value related:..... Time related:.....

Item

This **schedule** contains all variables referred to in this document and is divided into pretender and post tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post tender categories form part of these Preliminaries.

Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the **schedule**. Key cross reference clauses are italicised in *[ ]* brackets

12.1 PRE TENDER INFORMATION

12.1.1 **Provisional Bills of Quantities**

[2.2] The quantities are provisional

NO

12.1.2 **Availability of construction documentation**

[2.3] *Construction documentation is complete*

YES

12.1.3 ***Interest of agents***

[2.4] Details: None

12.1.4 ***Defined works area***

[3.1] Details: As defined in the tender drawings issued

12.1.5 ***Geotechnical investigation***

[3.2] Details: Refer to Geotechnical Investigation Report included in tender document

12.1.6 ***Existing premises occupied***

[3.4] Specific requirements: The site is vacant.

	Carried Forward		R

		R
Brought Forward		
12.1.7 ***Previous work - dimensional accuracy*** *[3.5]* Details: None		
12.1.8 ***Previous work - defects*** *[3.6}* Details: None		
12.19. ***Services - known*** *[3.7]* Details: None		
12.1.10 ***Protection of trees*** *[3.9]* Specific requirements: None		
12.1.11 ***Inspection of adjoining properties*** *[3.11]* Specific requirements: Only if blasting is required		
12.1.12 ***Enclosure of the works*** *[6.2}* Specific requirements: Hoarding of the site required.		
12.1.13 ***Offices*** *[6.4.3]* Specific requirements: The contractor shall provide, maintain and remove on completion of the works a suitable office for site meetings, etc.		
12.1.14 **Main notice board** [6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a chromadek non-reflective sign board, size 2902mm wide x 2886mm high.		
12.1.15 ***Subcontractors' notice board*** *[6.6]* Not required.		
12.1.16 ***Water*** *[7.2]* Option A (by contractor) YES Option B (by employer - free of charge) *NO* Option C (by employer - metered) NO		
Carried Forward		R

		R
	Brought Forward	
12.1.17 ***Electricity***		
[7.3]	Option A (by contractor) *YES*	
	Option B (by employer - free of charge) *NO*	
	Option C (by employer - metered) NO	
12.1.18 ***Telecommunications***		
[7.4]	Telephone YES	
	Facsimile *NO*	
	E-mail YES	
12.1.19 ***Ablution facilities***		
[7.5]	Option A (by contractor) *YES*	
	Option B (by employer) *NO*	
12.1.20 ***Protection of existing/sectionally occupied works***		
[11.2]	Protection is required *YES*	
12.1.21 ***Special attendance***		
[9.2]	**Subcontractor** (1) details: None	
	Subcontractor (2) details: None	
	Subcontractor (3) details: None	
	Subcontractor (4) details: None	
12.1.22 ***Protection of works***		
[11.1]	Specific requirements: By Contractor.	
12.1.23 ***Disturbance***		
[11.5]	Specific requirements: None	
	Carried Forward	R

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Brought Forward		R
12.1.24 ***Environmental disturbance***		
[11.6] Specific requirements: None		
12.2 POST TENDER INFORMATION		
12.2.1 ***Payment of preliminaries***		
[10.2] Option A (prorated)		
Option B (calculates)		
12.2.2 ***Adjustment of preliminaries***		
[10.3] Option A (three categories)		
Option B (detailed breakdown)		
12.2.3 ***Additional agreed preliminaries items***		
Details: None		
Carried Forward		R

	Brought Forward		R
	SECTION C: SPECIFIC PRELIMINARIES		
	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item		
101	**C1 CONTRACT DRAWINGS**		
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed		
	Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**		
	Fixed:..... Value related:..... Time related:.....	Item	
102	**C2 PREAMBLES**		
	The document "Specification of Materials and Methods to be used (PW371)" is obtainable on the Department's website <http://www.public works.gov.za/> under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities document and be referred to for the full descriptions of work to be done and materials to be used		
	The document "Construction Works: Specifications: Particu Edition 2.0" is issued together with the drawings and shall drawings and the **bills of quantities / lump sum docume**		
	Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

	Brought Forward			R
103	**C3 TRADE NAMES** Wherever a trade name for any product has been described in the **bills of quantities**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for Fixed:..... Value related:..... Time related:.....		Item	
104	**C4 IMPORTED MATERIALS AND EQUIPMENT** Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations (refer to Schedule of Imported Materials and Equipment to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable) Fixed:..... Value related:..... Time related:.....		Item	
105	**C5 VIEWING THE SITE IN SECURITY AREAS** The **site** is situated in a security area and the tenderer must arrange with the user department or other responsible person to obtain permission to enter the **site** for tendering purposes Fixed:..... Value related:..... Time related:.....		Item	
	Carried Forward			R

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106	**C6 COMMENCEMENT OF WORKS IN SECURITY AREAS** As the **works** falls within a security area the **contractor** must give the user department or other responsible person notice before commencement of the **works.** Should the **contractor** fail to make such arrangements, admission to the **site** may be refused and any additional costs will be for the **contractor's** account Fixed:..... Value related:..... Time related:.....	Item	
107	**C7 ENTRANCE PERMITS TO SECURITY AREAS** As the **works** falls within a security area the **contractor** shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer Fixed:..... Value related:..... Time related:.....	Item	
108	**C8 SECURITY CHECK OF PERSONNEL** The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified In the event of the **principal agent** requesting the removal of a person or persons from the **works** for security reasons, the **contractor** shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the **works** and the **site** and/or to any document or information relating to the **works** Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

		Item	R
	Brought Forward		
109	**C9 PROHIBITION ON TAKING OF PHOTOGRAPHS** In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959 Fixed:..... Value related:..... Time related:.....		
	C10 HIV/AIDS AWARENESS It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department of Public Works and Infrastructure that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment		
	Carried Forward		R

			R
	Brought Forward		
110	**C10.1 AWARENESS CHAMPION** Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS specification Fixed:..... Value related:..... Time related:.....	Item	
111	**C10.2 AWARENESS WORKSHOPS** Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification Fixed:..... Value related:..... Time related:.....	Item	
112	**C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.** Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification Fixed:..... Value related:..... Time related:.....	Item	
113	**C10.4 ACCESS TO CONDOMS** Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

	Brought Forward		R
114	**C10.5 MONITORING** Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification Fixed:..... Value related:..... Time related:.....	Item	
115	**C11 : OCCUPATIONAL HEALTH AND SAFETY ACT** Provision for pricing of the Occupational Health and Safety Act, Construction Regulation and Project Specific Occupational Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained. Fixed:..... Value related:..... Time related:.....	Item	
116	**C12 COMMUNITY LIAISON OFFICER (CLO)** The **contractor** shall employ a Community Liaison Officer (CLO) for the full duration of the contract (24 months). Allow an amount of R 8 500 (Eight Thousand Five Hundred Rand) per month for CLO remuneration Fixed:..... Value related:..... Time related:.....	Item	
	Carried Forward		R

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	Brought Forward		R
117	**C13 USE OF LOCAL SMME's** It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprises (SMME's) involved in the project. This is required to be done through the use of both traditional building techniques and labour intensive construction techniques, careful and considered construction planning Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained (a) SMME's involvement of at least 30% of the contract value to be sourced from within a specified range from the project site Fixed:..... Value related:..... Time related:.....	Item	
118	**C14 IMPLEMENTATION OF LABOUR INTENSIVE WORK** The Contractor shall employ local labourers as per part C3: Scope of Works for work identified and marked as 'labour -intensive' on these bills of quantities. The Contractor shall enter into an employment agreement with all workers and provide certified copies of such agreements and identity documents of the workers to the principal agent within 28 calendar days Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained Fixed:..... Value related:..... Time related:.....	Item	
	Carried to Final Summary		R

Section No. 1
Bill No. 1
Preliminaries

128

Item No		Quantity	Rate	Amount

SECTION NO. 2

NEW BUILDINGS

BILL NO. 1

EARTHWORKS (PROVISIONAL)

(CPAP WORK GROUP NO. 104 UNLESS OTHERWISE STATED)

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades(2017 Edition)

SUPPLEMENTARY PREAMBLES

Nature of ground

A soils investigation has been carried out on the site by the Engineer and the report is annexed to these Bills of Quantities

Working space

Working space for formwork will only be paid for where specifically required and instructed in writing by the Engineer

In the case of column base and pile cap excavations, where the dimensions between the column face and the excavation face is less than 500mm, working space has been measured for the width of the column face from the commencing level of excavation to the top of the column base or pile cap only where the top of the column base or pile cap exceeds 1.5m below the commencing level of excavation

No separate item for working space is provided or will be considered where the face of the measured excavation is 750mm or more away from the finished face of the structure. Separate items for working space for the building of brick foundation walls on ordinary concrete wall footings will not be considered

Carried Forward R

				R
	Brought Forward			
	Carting away of excavated material			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the construction site			
	Filling			
	Notwithstanding the reference to prescribed multiple handling in clause 13 page 14 of the Standard System of Measuring Building Work (Seventh Edition), prices for filling and backfilling shall include for all selection and any necessary multiple handling of material			
	EXCAVATION, FILLING, ETC OTHER THAN BULK			
	Excavation in earth not exceeding 2m deep			
1	Reduced levels under floors (LI)	m3	351	
2	Trenches (LI)	m3	1,348	
3	Holes (LI)	m3	67	
	Extra over trench and hole excavations in earth for excavation in			
4	Soft rock	m3	284	
5	Hard rock	m3	284	
	Extra over all excavations for carting away			
6	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m3	1,766	
	Risk of collapse of excavations			
7	Sides of trench and hole excavations not exceeding 1,5m deep (LI)	m2	2,694	
	Keeping excavations free of water			
8	Keeping excavations free of all water other than subterranean water		Item	
	Carried Forward			R

Section No. 2
Bill No. 1
Earthworks (Provisional)

130

				R
	Brought Forward			
	Imported G2 filling supplied by the contractor compacted to 98% Mod AASHTO density			
9	Under floors, steps, pavings, etc (LI)	m3	351	
	Imported G5 filling supplied by the contractor compacted to 98% Mod AASHTO density			
10	Under floors, steps, pavings, etc (LI)	m3	351	
	Imported G6 filling supplied by the contractor compacted in layers not exceeding 300mm thick to 92% Mod AASHTO density			
11	Backfilling to trenches, holes (LI)	m3	443	
12	Backfilling behind retaining walls (LI)	m3	1,368	
	Compaction of surfaces			
13	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density (LI)	m2	2,337	
	Prescribed density tests on filling			
14	"Modified AASHTO Density" test	No	40	
15	"Field Density" test including "Optimum Moisture Content" (four readings per test)	No	40	
	SOIL POISONING			
	Soil insecticide in accordance with SANS 10124			
16	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	2,337	
17	To bottoms and sides of trenches, etc	m2	4,123	
	Carried Forward to Summary of Section No. 2			R

Section No. 2
Bill No. 1
Earthworks (Provisional)

RJ 131

Item No		Quantity	Rate	Amount

SECTION NO.2

NEW BUILDINGS

BILL NO. 2

CONCRETE, FORMWORK AND REINFORCEMENT

(CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)

SUPPLEMENTARY PREAMBLES

Curing

All concrete is to be effectively cured for a minimum of 5 days

Cost of tests

The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent (Test cubes are measured separately)

Carried Forward R

Brought Forward R

Concrete finishes

Off Shutter Finishes must comply with SANS 2001-CC1:2007 Clause 5.2.5 - Smooth- special formwork

After striking the shutter uneven areas must be rubbed to remove fins etc

The "off shutter" areas must not be slushed

The first "off shutter" wall must be prepared as a sample for approval. If approved it will be used as a bench mark for subsequent walls and columns

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

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"

Carried Forward R

				R
	Brought Forward			
	Reinforcement			
	Steel bar reinforcement to comply with SANS 920 and cut and bent in accordance with SANS 82			
	Welded steel fabric shall comply to SANS 1024 manufactured from plain hard drawn mild steel wire			
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES (CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)			
	10MPa/19mm concrete			
1	Surface blinding under footings and bases (LI)	m3	71	
	REINFORCED CONCRETE (CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)			
	25MPa/19mm concrete			
2	Strip footings (LI)	m3	360	
3	Bases (LI)	m3	22	
4	Surface beds, etc. including thickening (LI)	m3	394	
5	Slabs including downstand beams and upstand beams (LI)	m3	426	
6	Isolated beams (LI)	m3	20	
7	Concrete nib (LI)	m3	14	
8	Infill to cavity of hollow wall (LI)	m3	53	
	30MPa/19mm concrete			
9	Retaining walls in foundations (LI) (Provisional)	m3	26	
10	Retaining walls (LI)	m3	99	
11	Stairs including landings, beams and inverted beams (LI)	m3	13	
	Carried Forward			R

				R
	Brought Forward			
12	Ramps including landings, beams and inverted beams (LI)	m3	20	
13	Columns in foundations (LI)	m3	6	
14	Columns (LI)	m3	26	
	TEST CUBES			
15	Prepare a set of six concrete cubes each cube size 150 x 150 x 150mm for strength cubes and deliver to an approved laboratory for testing and pay all charges in connection therewith	No	110	
	WATERPROOFING ADDITIVE			
	"Penetron" or other equal and approved admixture with tracing agent 0,8% - 1% per cementitious content of concrete waterproofing additive			
16	Extra over concrete for waterproofing on roof, floor slabs and retaining walls	m3	324	
	CONCRETE SUNDRIES			
	Finishing top surfaces of concrete with a wood float			
17	Surface beds, slabs, etc (LI)	m2	4,342	
	ROUGH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)			
	Rough formwork to sides			
18	Strip footings (LI)	m2	712	
19	Bases (LI)	m2	177	
20	Rectangular columns in foundations (LI)	m2	37	
21	300mm Diameter circular columns 1m high in foundations (LI)	No	2	
22	Rectangular columns in foundations (LI)	m2	51	
23	Retaining walls in foundations with total wall height not exceeding 3.5m high (LI)	m2	192	
	Carried Forward			R

RJ

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				R
	Brought Forward			
24	Retaining walls with total wall height not exceeding 3.5m high (LI)	m2	720	
25	Sloping and stepped outer edges of stairs 340mm high extreme (LI)	m	259	
26	Edges, risers, ends and reveals not exceeding 300mm high or wide (LI)	m	55	
	Rough formwork sides and soffits			
27	Slabs not exceeding 250mm and not exceeding 500mm thick, propping exceeding 1.5m and not exceeding 3.5m high (LI)	m2	399	
28	Slabs exceeding 250mm thick not exceeding 500mm, propped up exceeding 1.5m not exceeding 3.5m high (LI)	m2	972	
	SMOOTH FORMWORK (DEGREE OF ACCURACY I)			
	Smooth formwork to sides			
29	Walls with total height not exceeding 3.5m high (LI)	m2	360	
30	300mm Diameter circular columns 3m high (LI)	No	2	
31	Rectangular columns (LI)	m2	26	
32	Edges, risers, ends and reveals not exceeding 300mm high or wide (LI)	m	1,130	
	Smooth formwork to sides and soffits			
33	Slabs not exceeding 250mm thick, propped up exceeding 1.5m and not exceeding 3.5m high (LI)	m2	440	
34	Isolated beams propped up not exceeding 3.5m high (LI)	m2	185	
35	Beams propped up not exceeding 1,5m high (LI)	m2	104	
36	Beams propped up exceeding 1,5m and not exceeding 3,5m high (LI)	m2	570	
	Carried Forward			R

RJ

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R. N.

				R
	Brought Forward			
	Boxing in smooth formwork to form			
37	20mm diameter half round drip mould to soffits of slab (LI)	m	787	
38	25 x 25mm Chamfer along edges of all exposed concrete elements (LI)	m	499	
	Formwork to form			
39	Opening exceeding 3m and not exceeding 4m girth through 255mm slab (LI)	No	7	
	MOVEMENT JOINTS, ETC			
	Saw cut joints			
40	3 x 45mm Saw cut joints on top of concrete (LI)	m	694	
	Isolation joints with 10mm polystyrene between vertical concrete and brick surfaces			
41	10mm Joints not exceeding 300mm high (LI)	m	1,926	
	Slip joints between horizontal concrete and brick surfaces with two layers of 3 ply malthoid sealed with sealant (elsewhere measured)			
42	Not exceeding 300mm wide (LI)	m	1,629	
	REINFORCEMENT (CPAP WORK GROUP NO. 114 UNLESS OTHERWISE STATED)			
	Mild tensile steel reinforcement to structural concrete work			
43	8mm Diameter bars (LI)	t	12.48	
44	10mm Diameter bars (LI)	t	11.11	
	High tensile steel reinforcement to structural concrete work			
45	10mm Diameter bars (LI)	t	56.50	
46	12mm Diameter bars (LI)	t	66.80	
47	16mm Diameter bars (LI)	t	57.98	
	Carried Forward			R

				R
	Brought Forward			
	High tensile steel dowel bars			
48	Y16 Dowel bar 800mm long with one end cast into concrete and other end greased with non sag epoxy adhesive and wrapped in polythene sheeting (LI)	No	392	
49	Y20 Dowel bar 700mm long with one end cast into concrete and other end greased with non sag epoxy adhesive and wrapped in polythene sheeting (LI)	No	164	
	Fabric reinforcement			
50	Type 193 fabric reinforcement in concrete surface beds, ramps, etc (LI)	m2	225	
51	Type 245 fabric reinforcement in concrete surface beds, ramps, etc (LI)	m2	2,112	
	Carried Forward to Summary of Section No. 2			R

Section No. 2
Bill No. 2
Concrete, Formwork and Reinforcement (Provisional)

RJ

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Item No		Quantity	Rate	Amount
	SECTION NO. 2			
	NEW BUILDINGS			
	BILL NO. 3			
	PRECAST CONCRETE (CPAP WORK GROUP NO. 112 UNLESS OTHERWISE STATED)			
	SUPPLEMENTARY PREAMBLES			
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017 Edition)			
	PURPOSE MADE PRECAST CONCRETE SLABS, ETC			
	Precast concrete slabs			
1	4019 x 705 x 90mm Thick counter slabs formed of three lintels laid in parallel, closely butted at ends including bedding edges along both sides (screed elsewhere measured) Refer to Architects Drawing S4-706 Rev 5, Cell Joinery Details, J12 Cell Guard Details)	No 1		
	PRECAST CONCRETE VANITY SLABS ETC			
	"Stonecast" or other equal and approved			
2	900 x 600 x 150mm Overall thick precast concrete cantilever vanity slab (Color: Sandstone), comprising of 60mm thick slab and 90mm down turn surround to all sides, fixed to wall and including fixing accessories, brackets, splashback, etc.to receive wash hand basin (elsewhere measured)	No 4		
3	950 x 600 x 150mm Overall thick precast concrete cantilever vanity slab (Color: Sandstone), comprising of 60mm thick slab and 90mm down turn surround to all sides, fixed to wall and including fixing accessories, brackets, splashback, etc.to receive wash hand basin (elsewhere measured)	No 2		
	Carried Forward		R	

	Brought Forward			R
4	1200 x 600 x 150mm Overall thick precast concrete cantilever vanity slab (Color: Sandstone), comprising of 60mm thick slab and 90mm down turn surround to all sides, fixed to wall and including fixing accessories, brackets, splashback, etc.to receive wash hand basin (elsewhere measured)	No	4	
5	2100 x 600 x 150mm Overall thick precast concrete cantilever vanity slab (Color: Sandstone), comprising of 60mm thick slab and 90mm down turn surround to all sides, fixed to wall and including fixing accessories, brackets, splashback,etc.to receive wash hand basin (elsewhere measured)	No	4	
6	2370 x 600 x 150mm Overall thick precast concrete cantilever vanity slab (Color: Sandstone), comprising of 60mm thick slab and 90mm down turn surround to all sides, fixed to wall and including fixing accessories, brackets, splashback, etc.to receive wash hand basin (elsewhere measured)	No	1	
7	2400 x 600 x 150mm Overall thick precast concrete cantilever vanity slab (Color: Sandstone), comprising of 60mm thick slab and 90mm down turn surround to all sides, fixed to wall and including fixing accessories, brackets, splashback, etc.to receive wash hand basin (elsewhere measured)	No	2	
	Carried Forward to Summary of Section No. 2			R

Section No. 2
Bill No. 3
Precast Concrete

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Item No		Quantity	Rate	Amount

SECTION NO. 2

NEW BUILDINGS

BILL NO. 4

MASONRY

(CPAP WORK GROUP NO. 116 UNLESS OTHERWISE STATED)

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)

SUPPLEMENTARY PREAMBLES

Sizes in descriptions

Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick

Hollow walls, etc

Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole

Walls in two skins described as 'bagged and sealed' shall be deemed to include having the outer face of the inner skin bagged with 1:3 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating

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

Carried Forward R

RJ

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				R
	Brought Forward			
	BRICKWORK IN FOUNDATIONS (PROVISIONAL)			
	Brickwork of NFX (14Mpa nominal compressive strength) in class II mortar			
1	Piers (LI)	m3	1	
2	Half brick walls (LI)	m2	9	
3	One brick walls (LI)	m2	280	
4	270mm Wide cavity wall formed of two half brick skins with 50mm cavity in between. (LI)	m2	442	
5	330mm Wide cavity wall formed of two half brick skins with 110mm cavity in between (LI)	m2	57	
6	330mm Solid walls (LI)	m2	5	
7	440mm Solid walls (LI)	m2	3	
	Galvanised brickwork reinforcement			
8	75mm Wide reinforcement built in horizontally	m	11,224	
9	150mm Wide reinforcement built in horizontally (LI)	m	3,078	
10	230mm Wide reinforcement built in horizontally (LI)	m	308	
	BRICKWORK IN SUPERSTRUCTURE			
	Brickwork of NFP bricks (7 MPa nominal compressive strength) in class II mortar			
11	Half brick walls (LI)	m2	812	
12	60mm Stepped header course band around breeze-brick feature walls including cutting, etc (LI)	m	77	
13	Brickwork for brick-on-edge soldier course lintels one course high pointed on face and 115mm soffits (LI)	m	271	
14	220mm Coping on top of one brick walls including cutting, etc (LI)	m	8	
	Carried Forward			R

				R
	Brought Forward			
15	325mm Coping on top of 270mm thick cavity brick walls including cutting, etc (LI)	m	765	
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar			
16	Piers (LI)	m3	11	
17	Half brick walls (LI)	m2	199	
18	One brick walls (LI)	m2	1,403	
19	270mm Wide cavity wall formed of two half brick skins with 50mm cavity in between (LI)	m2	2,712	
20	270mm Wide cavity wall formed of two half brick skins with 50mm cavity in between filled with 25Mpa/20mm concrete (else where measured) (LI)	m2	525	
21	330mm Wide cavity wall formed of two half brick skins with 110mm cavity in between (LI)	m2	315	
22	330mm Wide cavity wall formed of two half brick skins with 110mm cavity in between filled with 25Mpa/19mm concrete (else where measured) (LI)	m2	52	
23	330mm Solid walls (LI)	m2	41	
24	440mm Solid walls (LI)	m2	47	
	Mortar tests			
25	Allow for sampling, making and curing a 100mm nominal mortar test cube including the supply of moulds and handing over to the Representative/Agent for testing (LI)	No	20	
	BRICKWORK SUNDRIES			
26	Splayed mortar fillet one course high in 50mm cavity (LI)	m	232	
27	Splayed mortar fillet one course high in 110mm cavity (LI)	m	145	
28	Closing 50mm cavity of hollow wall horizontally with one course of brickwork (LI)	m	232	
	Carried Forward			R

				R
	Brought Forward			
29	Closing 110mm cavity of hollow wall horizontally with one course of brickwork (LI)	m	145	
	Bagging of 1:3 cement and sand mixture			
30	On outer face of inner skin of brick walls including any additional labour required in raising wall in two separate skins and working around wire ties and / or brick reinforcing fabric (LI)	m2	2,814	
	Galvanised brickwork reinforcement			
31	75mm Wide reinforcement built in horizontally (LI)	m	33,805	
32	150mm Wide reinforcement built in horizontally (LI)	m	5,732	
33	230mm Wide reinforcement built in horizontally (LI)	m	165	
	Prestressed fabricated concrete lintels including necessary temporary supports			
34	110 x 75mm Lintels in lengths not exceeding 3m (LI)	m	542	
	Joint forming material in movement joints			
35	10mm Polystyrene built in vertically between brick skins (LI)	m2	531	
	Turning pieces			
36	220mm Wide turning piece to lintels, etc (LI)	m	271	
	Concertina ties built into brickwork			
37	30 x 1,2mm Galvanised steel strap wall ties (LI)	No	2,332	
	Concertina ties built into brickwork and drive pins shot fired into brick/concrete wall			
38	30 x 1,2mm Galvanised crimp wire wall ties (LI)	No	370	
	Galvanised hoop iron cramps, ties, etc			
39	30 x 1,6mm Roof tie 1500mm long with one end built into brickwork and other end tied around trusses (LI)	No	1,768	
	Carried Forward			R

Section No. 2
Bill No. 4
Masonry

144

				R
	Brought Forward			
	Air bricks etc			
40	229 x 152mm Terra-cotta vermin proof air brick (LI)	No	90	
	FACE BRICKWORK			
	Face bricks in stretcher bond with concave mortar joints			
41	Extra over brickwork for face brickwork (LI)	m2	585	
	Face bricks in stretcher bond with concave mortar joints			
42	Extra over brickwork for face brick piers (LI)	m2	11	
43	Extra over brickwork for face brickwork (LI)	m2	2,210	
44	Extra over brickwork walls faced on both sides (LI)	m2	163	
45	Extra over brickwork for brick-on-edge soldier course lintels one course high pointed on face and 115mm soffits (LI)	m	86	
46	230mm Wide sills set sloping and slightly projecting (LI)	m	271	
47	Fair cutting and fitting around pipe not exceeding 100mm diameter (LI)	No	42	
48	Fair cutting and fitting around pipe exceeding 100mm and not exceeding 200mm diameter (LI)	No	36	
	Face bricks in stretcher bond with concave mortar joints			
49	Extra over half brick walls faced on both sides (LI)	m2	77	
50	Extra over brickwork for face brickwork (LI)	m2	626	
51	Extra over brickwork walls faced on both sides (LI)	m2	601	
52	Extra over brickwork for face brick piers (LI)	m2	75	
53	230mm Wide sills set sloping and slightly projecting (LI)	m	66	
	Carried Forward			R

				R
	Brought Forward			
	Brick-on-edge header course copings, sills, etc. Face bricks pointed with recessed joints on all exposed faces			
54	60mm Stepped header course band around breeze-brick feature walls including cutting, etc (LI)	m	77	
55	220mm Coping wide on top of one brick walls including cutting, etc (LI)	m	8	
	Dog toothing header course copings, sills, etc. of face bricks pointed with recessed joints on all exposed faces			
56	325mm Coping wide on top of 270mm thick cavity brick walls including cutting, etc (LI)	m	156	
	Dog toothing header course copings, sills, etc. face bricks pointed with recessed joints on all exposed faces			
57	325mm Coping wide on top of 270mm thick cavity brick walls including cutting, etc (LI)	m	609	
	DECORATIVE SCREEN WALLS AND GRILLES			
	220 x 106 x 76mm Breeze-brick facebrick laid in stack bond formation with class II grey mortar and raked joints and perpends internally and externally			
58	220mm Walls pointed on both sides (LI)	m2	92	
	222 x 106 x 40mm Slimline breeze-brick facebrick laid in stack bond formation with class II grey mortar and raked joints and perpends internally and externally			
59	220mm Walls pointed on both sides (LI)	m2	35	
	FIBRE CEMENT WINDOW SILLS			
	Internal window sills in single lengths not exceeding 3.6m, bedded in class I mortar including fixing lugs screwed to underside with self tapping screws			
60	15 x 150mm Wide sills set flat and slightly projecting (LI)	m	510	
	Carried Forward to Summary of Section No. 2			R

Section No. 2
Bill No. 4
Masonry

146

Item No			Quantity	Rate	Amount
	SECTION NO. 2				
	NEW BUILDINGS				
	BILL NO. 5				
	WATERPROOFING				
	(CPAP WORK GROUP NO. 120 UNLESS OTHERWISE STATED)				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)				
	SUPPLEMENTARY PREAMBLES				
	Waterproofing				
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs				
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer 375 micron embossed polyethylene damp proof course (SANS 952-1985 type B)				
1	In walls (LI)	m2	242		
2	Under sills, around windows (LI)	m2	60		
	One layer of 375 micron waterproof sheeting with 3mm thick masonite protection sealed at laps with tape				
3	Vertically against walls to receive backfilling (elswhere measured).	m2	456		
	Carried Forward			R	

				R
	Brought Forward			
	One layer 250 micron green polyethylene waterproof sheeting (SANS 952 Type C) sealed at laps with PVC self-adhesive tape			
4	Under surface beds (LI)	m2	2,337	
	Two coats bitumen emulsion waterproof coating			
5	On bagged brick walls (LI)	m2	2,814	
	WATERPROOFING TO SHOWER FLOORS AND WALLS			
	Undertile waterproofing system mixed and applied in accordance with the manufacturer's instructions			
6	On screeded floors to receive tiles	m2	34	
7	On shower walls	m2	168	
	WATERPROOFING TO BRICK WALLS, ETC.			
	Undertile waterproofing system mixed and applied in accordance with the manufacturer's instructions			
8	On brick parapet walls, etc	m2	398	
	WATERPROOFING TO ROOFS, BASEMENTS, ETC.			
	Polyurethane waterproofing system mixed and applied to concrete in accordance with the manufacturer's instructions			
9	On flat roofs, turn-ups, etc	m2	1,380	
	WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC			
	Silicone sealant			
10	2 x 10mm On slip joints between horizontal concrete and brick surfaces	m	1,629	
11	10 x 10mm In isolation joints in floors	m	1,926	
12	13 x 10mm In saw cut joints in floors	m	694	
	Carried Forward			R

	Brought Forward			R
	Waterproofing sealant applied in accordance with the manufacturer's instructions			
13	10 x 10mm On interface of concrete wall and footings	m	2,620	
	Carried Forward to Summary of Section No. 2			R

Section No. 2
Bill No. 5
Waterproofing

149

Item No			Quantity	Rate	Amount
	SECTION NO. 2				
	NEW BUILDINGS				
	BILL NO. 6				
	ROOF COVERINGS, ETC.				
	(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)				
	PROFILED METAL SHEETING AND ACCESSORIES				
	0,53mm Conceal-fixed roof sheeting with colour Volcanic Grey finish to one side with a Cool Grey backing coat including accessories and fixed to timber purlins (elsewhere measured) using 80mm x 1.2mm G230 cleats. Installation as per manufacturer's recommendations.				
1	Roof covering with pitch not exceeding 25 degrees (LI)	m2	1,954		
	Side cladding formed of 0,53mm conceal-fixed roof sheeting with colour Volcanic grey finish to one side with a Cool Grey backing coat including accessories and fixed using 80mm x 1.2mm G230 cleats on timber purlins (elsewhere measured)				
2	Side cladding laid vertically on timber support frame consisting of 50 x 75mm treated timber purlins (elsewhere measured), including fixings (LI)	m2	635		
	0,53mm Powder coated zinc aluminium flashings, flute closers and all accessories installed according to manufacturers instructions				
3	Apex flashing, 550 mm girth, five times bent, including fixings (LI)	m	183		
4	Barge flashing, 580 mm girth, five times bent, including fixings (LI)	m	132		
	Carried Forward			R	

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