

-B.O.Q-1

-B.O.Q-2

	Brought Forward				R
6	A7 COMPLIANCE WITH REGULATIONS Clause 7.0 Note: The provisions herein include <i>inter alia</i> , compliance with <u>all</u> the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and in particular with Regulation CR7.(1) (a) requiring the compilation of a health and safety plan, as well as Regulation CR 8(7) requiring the appointment of a construction supervisor See also clause C11 of Section C - Specific Preliminaries Fixed: _____ Value related: _____ Time related: _____				
7	A8 WORKS RISK Clause 8.0 Fixed: _____ Value related: _____ Time related: _____	Item			
8	A9 INDEMNITIES Clause 9.0 Fixed: _____ Value related: _____ Time related: _____	Item			
9	A11 LIABILITY INSURANCES Clause 11.0 Fixed: _____ Value related: _____ Time related: _____	Item			
	Carried Forward				R
	SECTION NO. 1 : PRELIMINARIES Bill No. 1 Preliminaries PREPARED BY: DBSA				

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	Brought Forward			R
25	A30 PENALTY FOR NON-COMPLETION Clause 30.0 Fixed: _____ Value related: _____ Time related: _____ <u>PAYMENT</u> Payment shall be subject to the employer giving the contractor a tax invoice for the amount due Fixed: _____ Value related: _____ Time related: _____	Item		
26	A32 ADJUSTMENT TO THE CONTRACT VALUE Clause 32.0 Fixed: _____ Value related: _____ Time related: _____	Item		
27	A33 RECOVERY OF EXPENSE AND LOSS Clause 33.0 Fixed: _____ Value related: _____ Time related: _____	Item		
28	A34 FINAL ACCOUNT AND FINAL PAYMENT Clause 34.0 Fixed: _____ Value related: _____ Time related: _____	Item		
29	A35 PAYMENT TO OTHER PARTIES Clause 35.0 Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward			R
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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
	<p><u>CANCELLATION</u></p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>		Item	
30	<p>A39 CANCELLATION - CESSATION OF THE WORKS</p> <p>Clause 39.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>		Item	
31	<p>A40 DISPUTE SETTLEMENT</p> <p>Clause 40.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>		Item	
	Carried Forward			R
	<p>SECTION NO. 1 : PRELIMINARIES</p> <p>Bill No. 1</p> <p>Preliminaries</p> <p>PREPARED BY: DBSA</p>			

		Brought Forward			R
		<u>SUBSTITUTE PROVISIONS</u>			
32	A41 STATE CLAUSES				
	Clause 41.0				
	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>CONTRACT VARIABLES</u>				
	<u>THE SCHEDULE</u>				
33	A42 PRE-TENDER INFORMATION				
	Clause 42.0				
	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>SECTION B: JBCC PRELIMINARIES</u>				
	<u>B1.0 DEFINITIONS AND INTERPRETATION</u>				
34	<i>B1.1 Definitions and interpretation</i>				
	Fixed: _____ Value related: _____ Time related: _____		Item		
	<u>B2.0 DOCUMENTS</u>				
35	<i>B2.1 Checking of documents</i>				
	Fixed: _____ Value related: _____ Time related: _____		Item		
36	<i>B2.2 Provisional bills of quantities</i>				
	Fixed: _____ Value related: _____ Time related: _____		Item		
		Carried Forward			R
	SECTION NO. 1 : PRELIMINARIES				
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	Brought Forward			R	
37	B2.3 Availability of construction documentation Fixed: _____ Value related: _____ Time related: _____	Item			
38	B2.4 Interests of agents Fixed: _____ Value related: _____ Time related: _____	Item			
39	B2.5 Priced documents Fixed: _____ Value related: _____ Time related: _____	Item			
40	B2.6 Tender submission Fixed: _____ Value related: _____ Time related: _____	Item			
	<u>B3.0 THE SITE</u>				
41	B3.1 Defined works area Fixed: _____ Value related: _____ Time related: _____	Item			
42	B3.2 Geotechnical investigation Fixed: _____ Value related: _____ Time related: _____	Item			
43	B3.3 Inspection of the site Fixed: _____ Value related: _____ Time related: _____	Item			
44	B3.4 Existing premises occupied Fixed: _____ Value related: _____ Time related: _____	Item			
	Carried Forward			R	
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	Brought Forward			R
53	B4.2 Programme for the works Fixed: _____ Value related: _____ Time related: _____	Item		
54	B4.3 Progress meetings Fixed: _____ Value related: _____ Time related: _____	Item		
55	B4.4 Technical meetings Fixed: _____ Value related: _____ Time related: _____	Item		
56	B4.5 Labour and plant records Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
57	B5.1 Samples of materials Fixed: _____ Value related: _____ Time related: _____	Item		
58	B5.2 Workmanship samples Fixed: _____ Value related: _____ Time related: _____	Item		
59	B5.3 Shop drawings Fixed: _____ Value related: _____ Time related: _____	Item		
60	B5.4 Compliance with manufacturers instruction Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward			R
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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
	<u>B6.0 TEMPORARY WORKS AND PLANT</u>			
61	<i>B6.1 Deposits and fees</i> Fixed: _____ Value related: _____ Time related: _____	Item		
62	<i>B6.2 Enclosure of the works</i> Fixed: _____ Value related: _____ Time related: _____	Item		
63	<i>B6.3 Advertising</i> Fixed: _____ Value related: _____ Time related: _____	Item		
64	<i>B6.4 Plant, equipment, sheds and offices</i> Fixed: _____ Value related: _____ Time related: _____	Item		
65	<i>B6.5 Main notice board</i> Fixed: _____ Value related: _____ Time related: _____	Item		
66	<i>B6.6 Subcontractors' notice board</i> Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B7.0 TEMPORARY SERVICES</u>			
67	<i>B7.1 Location</i> Fixed: _____ Value related: _____ Time related: _____	Item		
68	<i>B7.2 Water</i> Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward			R
	SECTION NO. 1 : PRELIMINARIES Bill No. 1 Preliminaries PREPARED BY: DBSA			

	Brought Forward			R	
69	B7.3 Electricity				
	Fixed: _____ Value related: _____				
	Time related: _____	Item			
70	B7.4 Telecommunication facilities				
	Fixed: _____ Value related: _____ Time				
	related: _____	Item			
71	B7.5 Ablution facilities				
	Fixed: _____ Value related: _____				
	Time related: _____	Item			
	<u>B8.0 PRIME COST AMOUNTS</u>				
72	B8.1 Responsibility for prime cost amounts				
	Fixed: _____ Value related: _____ Time				
	related: _____	Item			
	<u>9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>				
73	B9.1 General attendance				
	Fixed: _____ Value related: _____ Time				
	related: _____	Item			
74	B9.2 Special attendance				
	Fixed: _____ Value related: _____ Time				
	related: _____	Item			
75	B9.3 Commissioning - fuel, water and electricity				
	Fixed: _____ Value related: _____ Time				
	related: _____	Item			
	Carried Forward			R	
	SECTION NO. 1 : PRELIMINARIES				
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	Brought Forward			R
	<u>B10. FINANCIAL ASPECTS</u>			
76	<i>B10.1 Statutory taxes, duties and levies</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
77	<i>B10.2 Payment for preliminaries</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
78	<i>B10.3 Adjustment of preliminaries</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
79	<i>B10.4 Payment certificate cash flow</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>B11. GENERAL</u>			
80	<i>B11.1 Protection of the works</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
81	<i>B11.2 Protection / isolation of existing / sectionally occupied works</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
82	<i>B11.3 Security of the works</i>			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward			R
	SECTION NO. 1 : PRELIMINARIES			
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LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
83	B11.4 Notice before covering work Fixed: _____ Value related: _____ Time related: _____	Item		
84	11.5 Disturbance Fixed: _____ Value related: _____ Time related: _____	Item		
85	B11.6 Environmental disturbance Fixed: _____ Value related: _____ Time related: _____	Item		
86	B11.7 Works cleaning and clearing Fixed: _____ Value related: _____ Time related: _____	Item		
87	B11.8 Vermin Fixed: _____ Value related: _____ Time related: _____	Item		
88	B11.9 Overhand work Fixed: _____ Value related: _____ Time related: _____	Item		
89	B11.10 Instruction manuals and guarantees Fixed: _____ Value related: _____ Time related: _____	Item		
90	B11.11 As built information Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward			R
	SECTION NO. 1 : PRELIMINARIES Bill No. 1 Preliminaries PREPARED BY: DBSA			

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	Brought Forward				R
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>				
93	Health and Safety Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the employer shall prepare a documented health and safety specification for the works (annexed to these bills of quantities) and that the Employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification [2.1] The contractor shall: <ol style="list-style-type: none"> 1. Comply with the health and safety specification for the works 2. Prepare and agree with the Pr. CHS Agent appointed by PSP / DBSA the health and safety plan for the works 3. Cooperate with the Pr. CHS Agent appointed by PSP / DBSA in all respects 4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification 5. Conform to the conditions contained in the Employer's health and safety specification 6. The contractor shall price section D of the preliminaries and allow opposite each item for all costs associated in connection with the health and safety specification F:..... V:.....T:.....				
		Item			
	Carried Forward				R
	SECTION NO. 1 : PRELIMINARIES Bill No. 1 Preliminaries PREPARED BY: DBSA				

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ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R	
94	As Built Drawings The contractor shall accurately record the details of the electrical, mechanical, security, fire installation, water reticulation details, construction breaks, etc., on drawings and issue same to the Principal Agent and the relevant agent for record purposes F:..... V:..... T:.....	Item			
95	Personal Protective Equipment The contractor shall provide and keep on site an adequate supply of clean safety helmets and reflective vests for the use of all professional personnel and all authorised visitors F:..... V:..... T:.....	Item			
96	Site Access for and Management of Direct Contracts The contractor shall allow direct contractors appointed by the Employer to access the site to execute work which does not form part of the Principal Building Agreement, concurrently with that of its (the principal building contractor), work. In this regard, the contractor shall provide any necessary assistance (e.g. ensuring placement of material orders, monitoring the manufacturing process, monitoring of raw materials availability, programming of works, etc.), to the principal agent in respect of management of any direct contracts. In this regard, it shall be deemed that all allowances have been made in the contract amount to ensure compliance with this clause F:..... V:..... T:.....	Item			
	Carried Forward			R	
	SECTION NO. 1 : PRELIMINARIES Bill No. 1 Preliminaries PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

<p style="text-align: right;">Brought Forward</p> <p>Items described as to be re-used or to be handed over to the Employer are to be carefully dismantled where necessary and stacked on site where directed, and the Contractor will be responsible for their removal and storage until required, and shall make good all items missing, damaged or broken at his own expense.</p> <p>Unless otherwise described, no materials from the alterations shall be re-used in any new work without the written approval by the principal agent.</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>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</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, 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</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>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</p>			R	
<p style="text-align: right;">Carried Forward</p> <p>SECTION NO. 2 : BUILDERS WORK Bill No. 1 Alterations (Provisional) PREPARED BY: DBSA</p>			R	

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	<p style="text-align: right;">Brought Forward</p> <p>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</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>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)</p> <p>Items described as to be re-used or to be handed over to the Client are to be carefully dismantled where necessary and stacked on site where directed, and the Contractor will be responsible for their removal and storage until required, and shall make good all items missing, damaged or broken at his own expense</p> <p>Unless otherwise described, no materials from the alterations shall be re-used in any new work without the written approval of the client</p> <p>Prices are to include for carting away from site all materials not specifically mentioned as being stored on site for re-use or handed over to the client and all rubbish, debris, etc., arising from the alterations, etc., and for making good all work damaged or disturbed to the approval of the client</p> <p><u>GENERAL</u></p> <p>1 Allow for protecting all existing work liable to suffer damage (i.e. walls, finishes, floors, windows, etc.) during the building operations, alterations, etc., and make good all work damaged with new material to match existing to the approval of the principal agent</p> <p><u>TEMPORARY BARRIERS, SCREENS, ETC.</u></p> <p style="text-align: right;">Carried Forward</p> <p>SECTION NO. 2 : BUILDERS WORK Bill No. 1 Alterations (Provisional) PREPARED BY: DBSA</p>			R	
1	<p>Item</p>				
				R	

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Temporary barriers, screens, etc. including removal</u>			
2	Dust screen 2000mm high, of suitable timber framing with HDPE knitted shade cloth stapled on one side, including corners, ends, etc.	m	165
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>			
3	150mm Thick surface beds	m3	18
<u>Breaking down and removing brickwork etc</u>			
4	Half brick walls	m2	125
5	One brick walls	m2	535
<u>Taking out doors, windows, etc, including thresholds, sills, etc, setting aside for re-use and later refixing in similar new position</u>			
6	Timber single door 813 x 2030mm high overall, including rehanging door on new 150 x 96mm steel hinges and replacing lock with 3-lever mortice lockset	No	5
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions etc</u>			
7	Corrugated sheet steel roof covering including all purlins, sundry waterproofing, etc..	m2	960
<u>Taking out/off and removing sundry metalwork</u>			
8	900 x 50mm Steel pipe handrails from walls	No	10
9	80mm Steel bump rails bolted to floors	m	60
10	Steel balustrades 1000mm high from floors	m	10
11	Steel palisade fence 2800mm high	m	39
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 1 Alterations (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
12	Steel ramp size 5580 x 1200mm wide, fixed to concrete or brickwork	No	1
13	Motorized steel entrance gate complete, overall size 4800 x 3000mm high	No	1
14	Steel gate overall size 1500 x 2700mm high bolted to brickwork	No	1
15	Steel gate overall size 5600 x 2600mm high bolted to brickwork	No	1
16	Steel cage overall size 1350 x 2600mm high bolted to brickwork	No	1
17	Steel cage overall size 3100 x 2100mm high bolted to brickwork	No	1
18	Steel cage overall size 6400 x 1300mm high bolted to brickwork	No	2
19	Steel shelves overall size 3500 x 2100mm high bolted to brickwork	No	1
20	Steel shelves overall size 6500 x 2100mm high bolted to brickwork	No	1
21	Vault door overall size 1000 x 1900mm high	No	2
22	Cash deposit box overall size 1200 x 2200mm high bolted to brickwork	No	5
23	Cashiers booth 900 x 1100mm built into brickwork	No	1
24	Cashiers booth 1900 x 1100mm built into brickwork	No	1
25	Steel turnstile overall size 1235 x 280 x 1000mm high	No	1
26	Disconnect and remove industrial extractor, overall size 5000 x 1200mm wide	No	1
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 1			
Alterations (Provisional)			
PREPARED BY: DBSA			

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ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<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>				
27	35mm Screed from floors	m2	4 900	
28	Internal plaster from walls and columns	m2	6 230	
<u>Taking out and removing piping, sanitary fittings, etc, including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere measured)</u>				
29	PVC/copper/steel/cast iron piping not exceeding 50mm external girth diameter	m	100	
30	PVC/copper/steel/cast iron piping exceeding 50mm and not exceeding 100mm external girth diameter	m	100	
31	PVC/copper/steel/cast iron piping exceeding 100mm and not exceeding 150mm external girth diameter	m	50	
<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
32	Scabble existing concrete floor with a heavy duty floor scabbler, to remove all adhesive from concrete and preparing surfaces to receive new screed	m2	1 886	
<u>MAKING GOOD EXISTING FINISHES, ETC.</u>				
<u>Making good cement screed</u>				
33	25mm Thick on floors in patches	m2	10	
<u>Making good internal cement plaster</u>				
34	Walls in patches	m2	52	
35	Concrete ceilings in patches	m2	82	
<u>OPENINGS THROUGH EXISTING WALLS ETC</u>				
Carried Forward				R
SECTION NO. 2 : BUILDERS WORK Bill No. 1 Alterations (Provisional) PREPARED BY: DBSA				

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ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 2</u>				
	<u>EARTHWORKS (PROVISIONAL) (CPAP WORK GROUP NO. 104 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Nature of ground</u>				
	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "soft rock" or "hard rock"				
	<u>Subterranean water</u>				
	No subterranean water is expected. The removal of subterranean water is given separately				
	<u>Working space</u>				
	Working space for formwork will only be paid for where specifically required and instructed in writing by the Engineer.				
	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	
	SECTION NO. 2 : BUILDERS WORK Bill No. 2 Earthworks (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Carting away of excavated material</u>			
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
<u>Filling</u>			
References such as "G1", "G2", etc and "C1", "C2", etc in descriptions of filling and layer work materials refer to corresponding references in the document "Guidelines for Road Construction Materials. TRH 14 : 1985" compiled by the Committee of State Road Authorities and the properties set out therein for each kind shall be applicable to the respective materials described hereinafter			
<u>Testing</u>			
Prices for filling are to include for all necessary density and other tests			
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
<u>EXCAVATIONS, ETC</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
1	Holes	m3	3
2	Trenches	m3	6
<u>Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to 98% Mod AASHTO density</u>			
3	Exceeding 500m and not exceeding 1500m deep for placing and removing formwork to walls etc, against excavated face	m2	26
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 2 Earthworks (Provisional) PREPARED BY: DBSA			

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LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Extra over all excavations for carting away</u>			
4	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m3	7
<u>Risk of collapse of excavations</u>			
5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	24
<u>Keeping excavations free of water</u>			
6	Keeping excavations free of all water other than subterranean water		Item
<u>FILLING ETC</u>			
<u>G2 Earth filling supplied by the contractor, compacted to 98% Mod AASHTO density</u>			
7	Backfilling to trenches, holes, etc	m3	13
<u>G7 Earth filling supplied by the contractor, compacted to 98% Mod AASHTO density</u>			
8	Backfilling to trenches, holes, etc	m3	4
<u>Filling of coarse river sand supplied by the contractor, consolidated</u>			
9	Under floors etc	m3	11
<u>Compaction of ground surfaces</u>			
10	Compaction of natural or excavated ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m2	81
<u>WEED KILLERS, INSECTICIDES, ETC</u>			
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 2 Earthworks (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
	<u>Soil insecticide in accordance with SANS 5859</u>			
11	To bottoms and sides of trenches etc	m2	68	
	<u>TESTS</u>			
	<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>			
12	"Modified AASHTO Density" test	No	8	
Carried Forward to Summary of Section No. 2				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 2				
Earthworks (Provisional)				
PREPARED BY: DBSA				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 3</u>				
	<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Cost of tests</u>				
	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 project manager. (Test cubes are measured separately)				
	<u>Formwork</u>				
	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				
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 3 Concrete, Formwork and Reinforcement (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
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			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/19mm concrete</u>			
1	Surface blinding under footings and bases	m3	2
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
2	Strip footings	m3	2
3	Bases	m3	1
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>			
<u>30MPa/19mm concrete</u>			
4	Surface beds	m3	1
<u>30MPa/19mm concrete</u>			
5	Ramps	m3	6
6	Machine bases	m3	1
7	Isolated beams	m3	1
8	Columns	m3	1
<u>TEST CUBES</u>			
9	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	12
<u>CONCRETE SUNDRIES</u>			
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 3 Concrete, Formwork and Reinforcement (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Finishing top surfaces of concrete smooth with a steel trowel</u>			
10	Surface beds, slabs, etc	m2	26
11	Tops of beams, walls, etc	m2	1
<u>"Prostruct 616" or other equal and approved wet to dry concrete adhesive</u>			
12	Prepare existing concrete surface and apply two-component, solvent-free modified epoxy	m2	9
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III) (CPAP WORK GROUP NO. 111 UNLESS OTHERWISE STATED)</u>			
<u>Rough formwork to sides</u>			
13	Strip footings (Provisional)	m2	7
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111 UNLESS OTHERWISE STATED)</u>			
<u>Smooth formwork to sides</u>			
14	Rectangular columns	m2	10
15	Edges not exceeding 300mm high	m	37
<u>Smooth formwork to sides and soffits</u>			
16	Isolated beams propped up exceeding 1.5m and not exceeding 3.5m high	m2	10
<u>Boxing in smooth formwork to form</u>			
17	25mm Vertical chamfers at corners	m	55
<u>MOVEMENT JOINTS ETC (CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)</u>			
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 3 Concrete, Formwork and Reinforcement (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Expansion joints with 10mm polystyrene backing between vertical concrete surfaces, including necessary formwork</u>			
18	Not exceeding 300mm high to edges of surfaces beds	m	22
<u>Saw-cut joints</u>			
19	6 x 10mm Saw-cut joints in top of concrete	m	35
<u>REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114 UNLESS OTHERWISE STATED)</u>			
<u>High tensile steel reinforcement to structural concrete work</u>			
20	Bars in various diameters	t	1.50
<u>Fabric reinforcement</u>			
21	Type 193 fabric reinforcement in concrete surface beds etc	m2	82
22	Type 245 fabric reinforcement in concrete slabs etc	m2	10
Carried Forward to Summary of Section No. 2			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 3			
Concrete, Formwork and Reinforcement (Provisional)			
PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>BRICKWORK SUNDRIES</u>			
5	Forming toothings and bonding new brickwork to existing	m2	25
6	Closing 230mm cavities of hollow walls horizontally with one course of brickwork	m	57
<u>Bagging of 1:3 cement and sand mixture</u>			
7	On brick walls, piers, etc	m2	11
<u>Joint forming material in movement joints</u>			
8	10mm Expanded polystyrene built in vertically between brick skins	m2	6
9	10mm Expanded polystyrene built in vertically between brick and concrete surfaces	m2	2
<u>2,5mm Galvanised brick reinforcement</u>			
10	75mm Wide reinforcement built in horizontally	m	741
11	150mm Wide reinforcement built in horizontally	m	1 587
<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>			
12	100 x 75mm Lintels in lengths not exceeding 3m	m	127
<u>Galvanised hoop iron cramps, ties, etc</u>			
13	30 x 1,2mm Wall tie 800mm long with both ends built into brickwork	No	247
14	30 x 1,2mm Wall tie 800mm long with one end shot pinned to concrete and other end built into brickwork	No	146
Carried Forward to Summary of Section No. 2			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 4			
Masonry (Provisional)			
PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS
ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Polyurethane sealing compound including backing cord, bond breaker, primer, etc</u>			
4	6 x 10mm In saw cut joints in floors	m	35
5	10 x 10mm In expansion joints on walls	m	222
6	10 x 10mm In expansion joints on floors	m	22
Carried Forward to Summary of Section No. 2			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 5			
Waterproofing (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS
ADMINISTRATIVE HEAD QUARTERS
LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 6</u>				
	<u>ROOF COVERINGS, ETC. (PROVISIONAL)</u> <u>(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Corrugated metal sheeting and accessories</u>				
	Roof sheeting systems are to be Manufactured in strict accordance with the Supplier's specifications.				
	Fixing of all roof sheeting is to be in accordance with the Manufacturer's approved Instruction Book.				
	The Manufacturer shall comply with ISO9002 Quality Management System.				
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
	<u>"Safintra" or other equal and approved 0,80mm thick 410mm cover Saflok 410® Hazy Grey G4 COLORTECH ALUMINIUM interlocking roof covering, fixed to steel purlins at approximately 1290mm centres and end-span purlins at 1118mm centres (final spacing to be confirmed on site) using SL 410® clips secured to purlins with Stainless Steel or "Safintra" or other equal and approved wafer head self-tapping fasteners, all in accordance with the manufacturer's recommendations.</u>				
1	Roof covering with pitch not exceeding 25 degrees	m2	960		
2	Extra over on roof covering for positive fixing of ends of roof with S-5-K Grip clips	No	50		
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 6 Roof Coverings (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS
ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>SHEET METAL FLASHINGS, LININGS, COPINGS, ETC.</u>				
<u>0,6mm Aluminium cover flashings</u>				
3	Cover flashings 600mm girth	m	170	
4	Head / side wall flashings 600mm girth	m	170	
Carried Forward to Summary of Section No. 2				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 6				
Roof Coverings (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 7</u>				
	<u>CARPENTRY AND JOINERY (PROVISIONAL)</u> <u>(CPAP WORK GROUP NO. 126 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Fixing</u>				
	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				
	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				
	<u>Joinery</u>				
	Descriptions of frames shall be deemed to include frames, transomes, rails, etc				
	Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts				
	<u>SKIRTINGS</u>				
	<u>Wrought meranti</u>				
1	19 x 100mm Bullnose skirtings, plugged	m	2 274		
	<u>DOORS ETC</u>				
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 7 Carpentry and Joinery (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Meranti hardwood doors hung to timber frames</u>			
2	40mm Door 762 x 2032mm high	No	14
3	40mm Door 813 x 2032mm high	No	5
4	Extra over for 500 x 300mm framed opening for metal louvre unit (louvres unit elsewhere)	No	15
<u>Semi-solid hardwood doors with 3.2mm plain hardboard covering on both sides, hung to timber frames</u>			
5	40mm Door 624 x 2032mm high	No	10
6	40mm Door 762 x 2032mm high	No	9
7	40mm Door 813 x 2032mm high	No	7
8	40mm Duct door 1230 x 2032mm high	No	20
9	Extra over for 500 x 300mm framed opening for metal louvre unit (louvres unit elsewhere)	No	3
<u>Fire doors</u>			
<u>"Bitcon" or other equal and approved fire doors hung to steel frames</u>			
10	Class B fire double door 813 x 2032mm high, with 100 x 300mm clear fire rated glass, including preparing frame for door closers	No	14
11	Class B fire double door 1511 x 2400mm high, each leaf with 100 x 300mm opening with clear fire rated glass, including pressed steel frame for 270mm brick wall and preparing frame for door closers	No	8
<u>FRAMED FRAMES ETC</u>			
<u>Meranti hardwood timber</u>			
12	38 x 76mm Rebated frames	m	200
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 7 Carpentry and Joinery (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
13	53 x 86mm Rebated frames	m	45
<u>BEADS, ARCHITRAVES, SILLS, ETC</u>			
<u>Meranti hardwood timber</u>			
14	19mm Quadrant beads	m	830
<u>PANELLING</u>			
<u>References given in descriptions refer to the respective types of fittings detailed on the architect's drawings numbered 610-04 accompanying these bills of quantities for tender purposes</u>			
15	Formica laminated boxed slat 100 x 34mm (Colour: Saxon Oak) installed seamlessly onto a 120 x 55mm steel channel parallel flange fixed with ceiling straps onto bulkhead on one side and fixed with chemical anchor onto brickwork on the other side	m	15
<u>Supa-wood timber</u>			
16	78 x 36.5mm Thick supa-wood or other equal and approved timber spacer block fixed to steel lipped channel with an approved adhesive	m	471
17	53 x 10mm Thick supa-wood or other equal and approved timber spacer fixed to existing concrete with an approved adhesive	m	212
18	53 x 8mm Thick supa-wood or other equal and approved timber spacer fixed to steel channel with an approved adhesive	m	630
<u>FITTINGS</u>			
<u>CUPBOARDS TO KITCHENS, OFFICES, ETC</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 7 Carpentry and Joinery (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<p><u>General</u></p> <p>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</p> <p>Prices are to include for all necessary filler pieces against walls etc</p> <p><u>References</u></p> <p><u>References given in descriptions refer to the respective types of fittings detailed on the architect's drawings numbered 610-01 to 610-03 accompanying these bills of quantities for tender purposes</u></p> <p><u>Reception counters, etc</u></p>				
19	12mm "Dupont Corian" or other equal and approved desk counter overall size 3301 x 800 x 740mm high, colour: Glacier white installed seamlessly on a rubber layer with appropriate adhesive on 50 x 50mm steel support frame. Formica laminate desk apron, overall size 3050 x 1100mm high, colour texture: Saxon Oak laminate installed seamlessly on 16mm superwood on 50 x 50mm steel support frame. Fixing to manufacturer's specification	No	1	
20	12mm L- Shaped "Dupont Corian" or other equal and approved desk counter overall size 3900 x 600 x 1000mm high, colour: Glacier white installed seamlessly on a rubber layer with appropriate adhesive on 50 x 50mm steel support frame. Formica laminate desk apron, overall size 4158 x 1100mm high, colour texture: Saxon Oak laminate installed seamlessly on 16mm superwood on 50 x 50mm steel support frame. Fixing to manufacturer's specification	No	1	
<p><u>Kitchen cupboards etc</u></p>				
Carried Forward				R
<p>SECTION NO. 2 : BUILDERS WORK</p> <p>Bill No. 7</p> <p>Carpentry and Joinery (Provisional)</p> <p>PREPARED BY: DBSA</p>				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Supa-wood with triple Duco gloss finish with "Caesarstone" or other equal and approved counter tops, colour: Raven</u>			
21	Wall cupboard overall size 900 x 1800mm high with top, sides, bottom, division, shelf, back and one double hinged door	No	5
22	Floor cupboard overall size 3234 x 1000mm high with 30mm "caesarstone" or other equal and approved counter top, sides, bottom, division, shelf, back and one single and one double hinged door, four telescopic pull doors, one lift door and two open shelves	No	5
23	Sink cupboard overall size 2542 x 900mm high with 30mm "caesarstone" or other equal and approved counter top, sides, bottom, divisions, shelf, back and one single, one double hinged doors, four telescopic pull doors and one lift door (sink elsewhere measured)	No	5
24	Sink cupboard overall size 3010 x 900mm high with 30mm "caesarstone" or other equal and approved counter top, sides, bottom, divisions, shelf, back and one single, one double hinged doors, four telescopic pull doors and one lift door (sink elsewhere measured)	No	5
25	Sink cupboard overall size 3024 x 900mm high with 30mm "caesarstone" or other equal and approved counter top, sides, bottom, divisions, shelf, back and one single, one double hinged doors, four telescopic pull doors and one lift door (sink elsewhere measured)	No	1
<u>"Caesarstone" or other equal and approved counter, colour: Raven</u>			
26	Kitchen counter overall size 1640 x 800 x 1100mm high	No	10
27	Kitchen counter overall size 2308 x 525 x 900mm high	No	1
28	Kitchen counter overall size 2310 x 525 x 1100mm high	No	5
Carried Forward to Summary of Section No. 2			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 7			
Carpentry and Joinery (Provisional)			
PREPARED BY: DBSA			

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<p style="text-align: right;">Brought Forward</p> <p><u>Bulkheads</u></p> <p>Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features</p> <p>Bulkheads have only been described as such where they conform to the above definition and where the horizontal or vertical dimensions do not exceed 900mm. Where these dimensions are more than 900mm such portions of ceilings have been included in the appropriate general items of ceilings</p> <p>Unless otherwise described bulkheads shall be deemed to be horizontal along the length</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>SUSPENDED CEILINGS</u></p> <p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p> <p>Electrical light fittings, diffusers, panels etc are generally "lay-in" units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p>			R	
<p style="text-align: right;">Carried Forward</p> <p>SECTION NO. 2 : BUILDERS WORK Bill No. 8 Ceilings, Partitions and Access Flooring (Provisional) PREPARED BY: DBSA</p>			R	

Brought Forward			R	
<u>Flush plastered skim ceilings</u>				
<p>Ceilings shall comprise 12mm gypsum plasterboard boards screwed to and including screw-up suspension grid consisting of main tees at 1 200mm centres and galvanised steel capped cross tees at 400mm centres and with tape fixed over joints and the whole finished with gypsum plaster trowelled to a smooth polished surface</p>				
<p>The grid shall be suspended by means of galvanised steel L-section hangers at suitable centres, securely shot-pinned or screwed to concrete, steel or wood</p>				
<u>Flush plastered gypsum plasterboard suspended bulkheads</u>				
<p>Bulkheads shall comprise galvanised steel studding of 63,5mm top and bottom tracks with vertical studs at maximum 400mm centres, pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc and covered as described with plasterboard screwed to studding with drywall screws at maximum 300mm centres. Boards shall be butt jointed and finished with tape and jointing compound and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer</p>				
<p>Descriptions shall be deemed to include any additional studs at ends and intersections, corner beads, cornices at junctions with ceilings, jointing compound, tape, etc</p>				
Carried Forward			R	
<p>SECTION NO. 2 : BUILDERS WORK Bill No. 8 Ceilings, Partitions and Access Flooring (Provisional) PREPARED BY: DBSA</p>				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>"Knauf AMF" or other equal and approved 60 minute fire rated Thermanex Fine Stratos square edge white ceiling tiles, size 600 x 600 x 19mm, laid on exposed Ventatec grid system comprising main tees at 1200mm centres and cross tees at 600mm centres at right angles to main tees with 600mm cross tees spaced between 1200mm cross tees at 600mm centres. Main tees suspended by means of butterfly hangers with hooks at 1200mm using approved fixings. Ceilings to be installed by an approved specialist and in accordance with the manufacturer's recommendations</u>			
1	Ceilings suspended not exceeding 1m below concrete soffits	m2	3 375
2	Extra over ceiling for opening for 100mm diameter downlighter	No	68
3	Extra over ceiling for opening for 600 x 600mm light fitting	No	745
4	Extra over ceiling for opening for 600 x 1200mm light fitting	No	4
5	Extra over ceiling for 600 x 600mm opening for ventilation grille/air conditioning diffuser	No	210
<u>"Knauf AMF" or other equal and approved 60 minute fire rated Thermanex Acoustic square edge white ceiling tiles, size 600 x 600 x 19mm, laid on exposed Ventatec grid system comprising main tees at 1200mm centres and cross tees at 600mm centres at right angles to main tees with 600mm cross tees spaced between 1200mm cross tees at 600mm centres. Main tees suspended by means of butterfly hangers with hooks at 1200mm using approved fixings. Ceilings to be installed by an approved specialist and in accordance with the manufacturer's recommendations</u>			
6	Ceilings suspended not exceeding 1m below concrete soffits	m2	1 075
7	Extra over ceiling for opening for 100mm diameter downlighter	No	29
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 8			
Ceilings, Partitions and Access Flooring (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
8	Extra over ceiling for opening for 600 x 600mm light fitting	No	318	
9	Extra over ceiling for opening for 600 x 1200mm light fitting	No	4	
10	Extra over ceiling for 600 x 600mm opening for ventilation grille/air conditioning diffuser	No	90	
<u>"Pelican Systems" or other equal and approved JUMBO skimmed ceiling system with 12mm thick JUMBO plasterboard fixed at right angles using 25mm Jumbo drywall screws at 150mm centres to JUMBO grid system comprising JUMBO screw up ceiling grid including galvanised main tees at 1200mm centres and cross tees at 600mm centres, all suspended with 25x25mm galvanised angles not exceeding 1200mm centres. Main tees suspended at 1200mm centres by means of 25 x 25 x 0.6mm galvanised steel angle. All joints to be covered with JUMBO fiba tape and the entire surface plastered with 3mm to 6mm thick JUMBO skimming plaster.</u>				
11	Ceilings suspended not exceeding 1m below concrete soffits	m2	976	
12	Horizontal portion of bulkheads 225mm wide, suspended not exceeding 1m below concrete soffits	m	21	
13	Horizontal portion of bulkheads 300mm wide, suspended not exceeding 1m below concrete soffits	m	183	
14	Horizontal portion of bulkheads 325mm wide, suspended not exceeding 1m below concrete soffits	m	5	
15	Horizontal portion of bulkheads 380mm wide, suspended not exceeding 1m below concrete soffits	m	8	
16	Horizontal portion of bulkheads 400mm wide, suspended not exceeding 1m below concrete soffits	m	120	
17	Horizontal portion of bulkheads 420mm wide, suspended not exceeding 1m below concrete soffits	m	25	
18	Horizontal portion of bulkheads 435mm wide, suspended not exceeding 1m below concrete soffits	m	9	
Carried Forward				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 8				
Ceilings, Partitions and Access Flooring (Provisional)				
PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
	<u>"Pelican Systems" or other equal and approved, Drywall partitioning system with overall thickness of 89mm comprising internal framing formed of 63mm galvanised steel studs fixed at 600mm centres to galvanised steel top and bottom track with 63mm thick fibreglass insulation in cavity of partition, including any additional steel studding necessary at door openings, glazed or other apertures, abutments, ends, corners, etc. and covered with 12mm thick JUMBO Plasterboard in single lengths to suit height, butt jointed and secured to studding with 25mm drywall screws at maximum 300mm centres, the joints taped over and flushed over with jointing compound prepared for painting</u>		
46	Partitions 2600mm high with bottom track plugged and top track fixed to suspended ceiling tees	m	510
47	Extra over partition 2600mm high for vertical abutment	No	224
48	Extra over partition 2600mm high for corner	No	110
49	Extra over partition 2600mm high for T-intersection	No	69
50	Extra over partition 2600mm high for fair end	No	9
	<u>"Pelican Systems" or other equal and approved, Drywall partitioning system with overall thickness of 89mm comprising internal framing formed of 63mm galvanised steel studs fixed at 600mm centres to galvanised steel top and bottom track with 63mm thick fibreglass insulation in cavity of partition, including any additional steel studding necessary at door openings, glazed or other apertures, abutments, ends, corners, etc. and covered with 12mm thick JUMBO Plasterboard in single lengths to suit height, butt jointed and secured to studding with 25mm drywall screws at maximum 300mm centres, the joints taped over and flushed over with jointing compound prepared for painting</u>		
51	Partitions 2600mm high overall with JUMBO Plasterboard 2520mm high on one side and 2600mm high on the reverse side, additional 80mm high portion fixed to timber spacer and aluminium end trim (elsewhere measured) including all additional jointing and support material as necessary, with bottom track plugged and top track fixed to suspended ceiling tees (Refer drawing no. 600-03)	m	432
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 8			
Ceilings, Partitions and Access Flooring (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
52	<p><u>Extra over partitions for 40mm semi-solid flush doors with 3.2mm plain hardboard covering on both sides and hardwood edge strips to vertical edges, hung to and including standard pressed steel door frame including additional studding, trimming, etc. to partitions</u></p> <p>Door 813 x 2032mm (ironmongery elsewhere measured)</p> <p><u>"Pelican Systems" or other equal and approved, Drywall partitioning system with overall thickness of 89mm comprising internal framing formed of 63mm galvanised steel studs fixed at 600mm centres to galvanised steel top and bottom track, including any additional steel studding necessary at door openings, glazed or other apertures, abutments, ends, corners, etc. and covered with 12mm thick JUMBO Plasterboard in single lengths to suit height, butt jointed and secured to studding with 25mm drywall screws at maximum 300mm centres, the joints taped over and flushed over with jointing compound prepared for painting</u></p>	No	5
53	Partitions 3305mm high with bottom and top tracks plugged	m	30
54	Extra over partition 3305mm high for vertical abutment	No	20
55	Extra over partition 3305mm high for corner	No	10
56	<p><u>"Pelican Systems" or other equal and approved, acoustic drywall system with thickness of 89mm, comprising internal framing formed of 63mm galvanised steel studs fixed at 600mm centres to galvanised steel top and bottom track with 63mm thick fibreglass insulation in cavity of partition, including any additional steel studding necessary at door openings, glazed or other apertures, abutments, ends, corners, etc. and covered with 12mm thick JUMBO Plasterboard in single lengths to suit height, butt jointed and secured to studding with 25mm drywall screws at maximum 220mm centres, the joints taped over and flushed over with jointing compound prepared for painting</u></p> <p>Partitions 705mm high above shopfronts with bottom and top tracks plugged</p>	m	40
57	Extra over partition 705mm high for corner	No	3
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 8 Ceilings, Partitions and Access Flooring (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
	<u>"Pelican Systems" or other equal and approved, acoustic drywall system with thickness of 89mm, compromising internal framing formed of 63mm galvanised steel studs fixed at 600mm centres to galvanised steel top and bottom track with 63mm thick fibreglass insulation in cavity of partition, including any additional steel studding necessary at door openings, glazed or other apertures, abutments, ends, corners, etc. and covered with 12mm thick JUMBO Plasterboard in single lengths to suit height, butt jointed and secured to studding with 25mm drywall screws at maximum 220mm centres, the joints taped over and flushed over with jointing compound prepared for painting</u>		
58	Partitions 3305mm high with bottom and top tracks plugged	m	96
59	Extra over partition 3305mm high for vertical abutment	No	35
60	Extra over partition 3305mm high for corner	No	9
61	Extra over partition 3305mm high for T-intersection	No	3
	<u>"Pelican Systems" or other equal and approved, acoustic drywall system with thickness of 89mm, compromising internal framing formed of 63mm galvanised steel studs fixed at 600mm centres to galvanised steel top and bottom track with 63mm thick fibreglass insulation in cavity of partition, including any additional steel studding necessary at door openings, glazed or other apertures, abutments, ends, corners, etc. and covered with 12mm thick JUMBO Plasterboard in single lengths to suit height, butt jointed and secured to studding with 25mm drywall screws at maximum 220mm centres, the joints taped over and flushed over with jointing compound prepared for painting</u>		
62	Partitions 3305mm high overall with JUMBO Plasterboard 3225mm high on one side and 3305mm high on the reverse side, additional 80mm high portion fixed to timber spacer and aluminium end trim (elsewhere measured) including all additional jointing and support material as necessary, with bottom track plugged and top track fixed to suspended ceiling tees (Refer drawing no. 600-03)	m	39
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 8			
Ceilings, Partitions and Access Flooring (Provisional)			
PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>"Vitraflex" or other equal and approved toilet cubicles consisting of 20mm thick partitions, doors and stiles of laminated construction with outer skins of vitreous enamelled steel sheets bonded to wood particle board, all framed in natural anodised aluminium channel section beading, top rails and fixing components and fitted with all necessary ironmongery comprising standard indicating bolts, combined coat hooks and door stops, toilet roll holders and rubber buffers</u>			
68	Partition 4500 x 2200mm high	No	10
69	Partition 1650 x 2200mm high	No	30
70	Partition 900 x 2200mm high	No	2
71	Partition 1800 x 2200mm high	No	6
72	Partition 2600 x 2200mm high	No	2
73	Door PD-01, overall size 910 x 2200mm high	No	47
74	Full stile 210 x 2200mm high	No	41
75	End stile 145 x 2200mm high	No	61
76	Wall stile 105 x 2200mm high	No	33
Carried Forward to Summary of Section No. 2 SECTION NO. 2 : BUILDERS WORK Bill No. 8 Ceilings, Partitions and Access Flooring (Provisional) PREPARED BY: DBSA			R

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 9</u>				
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u> <u>(PROVISIONAL) (CPAP WORK GROUP NO. 130</u> <u>UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<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>"FloorworX" or other equal and approved superflex fully flexible vinyl floor tiles colour Charcoal (Colour code: MS113), size 300 x 300 x 2.0mm thick, manufactured in accordance with SANS 786:2000, laid in FloorworX No. 62 acrylic adhesive spread with a trowel fitted with an A2 notched blade at a rate of between 5.5m² and 6.5m² per litre on suitably prepared subfloor (elsewhere specified) in accordance with SANS 10070, using FloorworX Self Leveller when required and rolled with 68kg three section metal roller on completion</u>				
1	On floors	m2	109		
	<u>"Bervik" or other equal and approved fully adjustable raised access flooring tiles colour Granite (Colour code: M335), size 600 x 600mm x 38mm thick</u>				
2	On floors	m2	43		
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 9 Floor Coverings, Wall Linings, etc (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
3	<p><u>"FloorworX" or other equal and approved primo SD non-directional static dissipative vinyl sheeting colour Dark Cool Grey (Colour code: FSD563), size 2m wide x 2.0mm thick, manufactured in accordance with EN 649 laid in FloorworX No. 27 antistatic/conductive adhesive spread with a trowel fitted with an A2 notched blade at a rate of between 5.5m² and 6.5m² per litre on suitably prepared subfloor (elsewhere specified) in accordance with SANS 10070, using FloorworX Self Leveller when required, rolled with 68kg three section metal roller, with joints welded with a fully flexible coloured 'FloorworX Welding Rod' to provide a smooth, hygienic sealed finish</u></p> <p>On floors</p>	m2	121
4	<p><u>"Belgotex" or other equal and approved floors Atlantis colour Cyclone Mist Stainproof SDX (solution dyed nylon) Tufted Multi-Scroll Loop Pile Nexbac SABS Class 2 fire rating grade heavy commercial carpet tiles, size 500 x 500 x 8mm thick, all installed by approved installer in accordance with SANS 10186:2010, the code of practice for textile floor coverings</u></p> <p>On floors</p>	m2	2 430
5	<p><u>"Belgotex" or other equal and approved floors Berber Point 920 colour Charcoal Stainproof Miracle Fibre (Polypropylene) structured needlepunch Nexbac SABS Class 3 fire rating grade heavy commercial carpet tiles, size 500 x 500 x 8,5mm thick, all installed by approved installer in accordance with SANS 10186:2010, the code of practice for textile floor coverings</u></p> <p>On floors</p>	m2	2 186
6	<p><u>"Belgotex" or other equal and approved floors Westminster colour Zimmer, heavy commercial (SABS location grade: 5) Stainproof SDX (solution dyed nylon), plain cut pile FusionBac SABS Class 2 fire rating broadloom carpet sheeting laid on and including Orange under cushion</u></p> <p>On floors</p>	m2	350
<u>SKIRTINGS, NOSINGS, ETC</u>			
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 9			
Floor Coverings, Wall Linings, etc (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Skirtings, nosings, etc</u>			
7	9.72mm Aluminium carpet trim colour Matt Black fixed to existing concrete with an approved adhesive	m	835
8	60 x 32mm Heavy duty aluminium natural anodised aluminium nosings, colour Red, with plastic external infill colour White, on resin stair covering, fixed with contact adhesive, plugged and screwed to tread	m	364
<u>POLISH, SEALERS, ETC</u>			
9	3 coats silk matt finished sealer on vinyl flooring	m2	230
<u>SCREEDS</u>			
<u>"Tal Screedmaster" or other equal and approved</u>			
10	5mm thick self levelling screed on floors and landings	m2	5 719
<u>CLEANING OF EXISTING SURFACES, ETC..</u>			
11	Strip and seal existing vinyl floor tiles in accordance with the 3 step process: Step 1 - Dilute "FloorworX" or other equal and approved stripper 1:5 parts clean water and spread onto floor surface, leave for few minutes and scrub floor by manual or mechanical means. Rinse well and remove residue with a wet/dry vacuum cleaner, all in accordance with the manufacturers recommendations. Step 2 - Dilute "FloorworX" or other equal and approved, rinse 1:10 parts clean water and spray onto floor surface and rinse with water, all in accordance with the manufacturers recommendations. Step 3 - "FloorworX Silk Matt Sealer" or other equal and approved, remove all polishes, oil, dirt and marks Apply three coats Silk Matt Sealer onto floor surface and allow to dry between applications, all in accordance with the manufacturers recommendations.	m2	245
Carried Forward to Summary of Section No. 2			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 9			
Floor Coverings, Wall Linings, etc (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 10</u>				
	<u>IRONMONGERY (PROVISIONAL) (CPAP WORK GROUP NO. 132 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Proprietary items</u>				
	Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items				
	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				
	On request returnable samples are to be provided to the principal agent for consideration				
	<u>IRONMONGERY TO TIMBER DOORS</u>				
	<u>HINGES, BOLTS, ETC</u>				
	<u>"Dormakaba" or other equal and approved</u>				
1	Two Ball Bearing Butt hinge (Code: DBB-SS-009) with Stainless Steel finish	No	145		
2	Flush bolt with heel (Code: DFB-SC-180), size 48 x 19 x 153mm with Satin Chrome finish	No	78		
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 10 Ironmongery (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
3	Adjustable roller bolt (Code: DBC-SS-022), size 40 x 22 x 76mm with Stainless Steel finish	No	2
4	Square bathroom WC indicator set (Code: DWC-005) with Stainless Steel finish	No	2
5	Square bathroom WC bolt set (Code: DWC-006), overall size 52 x 52mm with Stainless Steel finish	No	1
<u>CATCHES, CABIN HOOKS, ETC</u>			
<u>"Dormakaba" or other equal and approved</u>			
6	Cabin hooks	No	1
<u>LOCKS</u>			
<u>"Dormakaba" or other equal and approved</u>			
7	Cylinder deadlock (Code: D037D) with 57mm backset with Stainless Steel finish	No	86
8	Cylinder sash lock (Code: D036S) with 57mm backset with Stainless Steel finish	No	25
9	Bathroom deadlock (Code: D032D) with 55mm backset with Stainless Steel finish	No	3
10	Bathroom sash lock (Code: D035S) with 57mm backset with Stainless Steel finish	No	1
11	43mm keyed to differ single cylinder (Code: DSC054201) with Satin Nickel finish	No	36
12	45mm keyed alike single cylinder (Code: DSC054501-KA) with Satin Nickel finish	No	5
13	66mm keyed to differ double cylinder (Code: DDC056601) with Satin Nickel finish	No	6
14	65mm keyed to differ double cylinder (Code: DDC056501) with Satin Nickel finish	No	32
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 10 Ironmongery (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
15	66mm privacy cylinder (Code: DBC006601) with Satin Nickel finish	No	1
16	80mm keyed to differ double cylinder (Code: DDC058001) with Satin Nickel finish	No	10
17	80mm keyed alike knob cylinder (Code: DKCO580001) with Satin Nickel finish	No	3
18	80mm keyed to differ knob cylinder (Code: DKC058001) with Nickel finish	No	12
19	52mm diameter cylinder escutcheon set (Code: DCE-002) with Stainless Steel finish	No	89
20	52mm diameter cylinder escutcheon set (Code: DCE-002) with Stainless Steel finish	Pairs	74
21	Rebate conversion kit (Code: D038R NP)	No	31
<u>HANDLES</u>			
<u>"Dormakaba" or other equal and approved</u>			
22	Ring flush pull handle (Code: DRP-SS-023), size 44mm x 62mm with Stainless Steel finish	No	48
23	139mm long spring loaded lever handle in Stainless Steel finish (Code: SH815 cylinder) with Stainless Steel finish	No	25
24	139mm long spring loaded lever handle in Stainless Steel finish (Code: SH815 bathroom WC) with Stainless Steel finish	No	1
25	Tubular straight bolt through pull handle (Code: DPH205BT), size 30mm diameter x 400mm long with Stainless Steel finish	No	43
26	Tubular straight bolt through pull handle (Code: DPH205BTB), size 30mm diameter x 400mm long with Stainless Steel finish	Pairs	14
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 10			
Ironmongery (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
27	Tubular straight bolt through pull handle (Code: DPH301BBT), size 25mm diameter x 325mm long with Stainless Steel finish	No	2	
28	Exterior access lock with lever handle (cylinder not included) (Code: PHT3901)	No	5	
	<u>PUSH PLATES AND KICK PLATES</u>			
	<u>3mm Thick anodised aluminium plates countersunk screwed along edges not exceeding 200mm centres</u>			
29	400 x 150mm Push plate	No	57	
	<u>3mm Thick anodised aluminium plates countersunk screwed along edges not exceeding 200mm centres</u>			
30	800 x 250mm Kick plate	No	30	
	<u>3mm Thick anodised aluminium plates countersunk screwed along edges not exceeding 200mm centres</u>			
31	400 x 75mm Back plate	No	68	
	<u>DOOR CLOSERS</u>			
	<u>"Dormakaba" or other equal and approved</u>			
32	Non hold open G-SR slide channel door coordinator (Code: TS92B G-SR) with a closing force of EN 2-4 for maximum 1100mm wide door	No	49	
33	Non hold open G-SR slide channel door coordinator (Code: TS93B G-SR) with a closing force of EN 2-5 for maximum 1250mm wide door	No	8	
34	Non hold open G-SR slide channel door coordinator (Code: TS93G) with a closing force of EN 2-5 for maximum 1250mm wide door	No	4	
35	Mechanical hold open G-SR slide channel door coordinator (Code: TS93B G-SR RF 1) with a closing force of EN 2-5 for maximum 1250mm wide door	No	3	
	Carried Forward			R
	SECTION NO. 2 : BUILDERS WORK Bill No. 10 Ironmongery (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>LETTERS, NAMEPLATES, ETC</u>				
<u>"Dormakaba" or other equal and approved</u>				
36	Electrical engraved grade 304 Stainless Steel sign (Code: DSS-136), size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws	No	23	
37	Fire hose reel engraved grade 304 Stainless Steel sign (Code: DSS-145), size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws	No	1	
38	Fire extinguisher engraved grade 304 Stainless Steel sign (Code: DSS-146), size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws	No	1	
39	Female engraved grade 304 Stainless Steel sign (Code: DSS-131), size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws	No	8	
40	Male engraved grade 304 Stainless Steel sign (Code: DSS-130), size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws	No	8	
41	Disabled engraved grade 304 Stainless Steel sign (Code: DSS-133), size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws	No	1	
<u>SUNDRIES</u>				
<u>"Dormakaba" or other equal and approved</u>				
42	Floor mounted door stop with rubber buffer (Code: DDS-SS-021), size 40 x 38mm with Stainless Steel finish	No	84	
43	Hat and coat hook with rubber buffer (Code: DHC-SS-031), size 70 x 25 x 80mm with Stainless Steel finish	No	3	
Carried Forward				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 10				
Ironmongery (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
44	Dust proof strike (Code: DPS-SS-032), size 38 x 19mm with Stainless Steel finish	No	8	
45	Touch bar panic hardware components for single door with one point locking (Code: PHB1/S)	No	6	
46	Touch bar panic hardware components for single door with two point locking (Code: PHB2/W)	No	1	
<u>BATHROOM FITTINGS</u>				
<u>"Vaal" or other equal and approved</u>				
47	Flush valve back rail (Code: 8940Z000), size 750 x 250 x 32mm with Stainless Steel finish, plugged and screwed to wall with stainless steel screws	No	1	
48	Side grab rail (Code: 8939Z000), size 300 x 300 x 32mm with Stainless Steel finish, plugged and screwed to wall with stainless steel screws	No	1	
49	Urinal division (Code: 705228), size 140 x 310 x 610mm high complete with fixing screws and hanger brackets	No	14	
<u>IRONMONGERY TO ALUMINIUM DOORS</u>				
<u>HINGES, BOLTS, ETC</u>				
<u>"Dormakaba" or other equal and approved</u>				
50	Heavy duty continuous geared hinge 2400mm (Code: DCH-AL-H24) with natural anodized finish	No	1	
51	Two Ball Bearing Butt hinge (Code: DBB-SS-009) with Stainless Steel finish	No	18	
52	Adjustable roller bolt (Code: DBC-SS-022), size 40 x 22 x 76mm with Stainless Steel finish	No	15	
53	"Dormakaba" or other equal and approved stainless steel automatic flush bolt (Code: HZ 43-F22 R), size 55 x 20 x 147mm fixed in accordance with the manufacturer's recommendations	No	2	
Carried Forward				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 10				
Ironmongery (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
54	"Dormakaba" or other equal and approved stainless steel automatic flush bolt (Code: HZ 43-F22 L), size 55 x 20 x 147mm fixed in accordance with the manufacturer's recommendations	No	2
55	"Dormakaba" or other equal and approved stainless steel floor keep (Code: PHA 2122-0)	No	2
<u>LOCKS</u>			
<u>"Dormakaba" or other equal and approved</u>			
56	Narrow stile heavy duty roller deadlock (Code: D07735) with 35mm backset with Stainless Steel finish	No	18
57	Cylinder sash lock (Code: D036S) with 57mm backset with Stainless Steel finish	No	129
58	65mm keyed to differ double cylinder (Code: DDC056501) with Satin Nickel finish	No	147
59	30 x 64mm Stainless Steel narrow style cylinder escutcheon set (Code: DCE-105).	Pairs	18
<u>HANDLES</u>			
<u>"Dormakaba" or other equal and approved</u>			
60	Ring flush pull handle (Code: DRP-SS-023), size 44mm x 62mm with Stainless Steel finish	No	5
61	139mm long spring loaded lever handle in Stainless Steel finish (Code: SH815 cylinder) with Stainless Steel finish	No	129
62	Rectangular straight flush pull handle (Code: DFP-SS-025), size 40mm x 120mm long with Stainless Steel finish	No	12
63	Tubular offset Stainless Steel back-to-back pull handle (Code: DPH206BTB), size 30mm diameter x 400mm long.	No	69
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 10 Ironmongery (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>DOOR CLOSERS</u>				
<u>"Dormakaba" or other equal and approved</u>				
64	Non hold open TS 93G EN5-7-AB-SL cam action slide channel door closer (Code: TS 93G EN5-7-AB-SL) with a closing force of EN 5-7V for maximum 1600mm wide door	No	1	
65	Non hold open G-SR slide channel door coordinator (Code: TS92B G-SR) with a closing force of EN 2-4 for maximum 1100mm wide door	No	11	
66	Non hold open concealed cam-action door closer system (Code: ITS96 2-4) with a closing force of EN 2-4V for maximum 1100mm wide door	No	42	
67	Hold open concealed cam-action door closer system (Code: ITS96 2-4) with a closing force of EN 2-4V for maximum 1100mm wide door	No	16	
68	Non hold open TS 93G-AB-SL cam action slide channel door closer (Code: TS 93G-AB-SL) with a closing force of EN 2-5V for maximum 1250mm wide door	No	1	
69	Mechanical hold open TS 92B cam action slide channel door closer (Code: TS 92B HO) with a closing force of EN 2-4V for maximum 1100mm wide door	No	2	
70	Mechanical hold open TS 93B HO-SL cam action slide channel door closer (Code: TS 93B HO-SL) with a closing force of EN 2-5V for maximum 1250mm wide door	No	1	
<u>LETTERS, NAMEPLATES, ETC</u>				
<u>"Dormakaba" or other equal and approved</u>				
71	"Tea Cup" engraved grade 304 Stainless Steel sign (Code: DSS-135), size 150 x 150 x 1,2mm with counter-sunk fixing holes plugged and screwed with aluminium screws	No	2	
Carried Forward				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 10				
Ironmongery (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>SUNDRIES</u>				
<u>"Dormakaba" or other equal and approved</u>				
72	Floor mounted door stop with rubber buffer (Code: DDS-SS-021), size 40 x 38mm with Stainless Steel finish	No	207	
73	Dust proof strike (Code: DPS-SS-032), size 38 x 19mm with Stainless Steel finish	No	8	
74	Touch bar panic hardware components for double door with three point locking (Code: PHB3 WL DD)	No	1	
75	ES200 Heavy duty sliding door operator complete for automatic double sliding door size 1828 x 2570mm high (Code: EN200)	Sets	3.0	
Carried Forward to Summary of Section No. 2				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 10				
Ironmongery (Provisional)				
PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS
ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>Purlins, girts, channels, etc., bolted to concrete</u>				
1	178 x 54mm U-channel securely fastened to concrete slab	t	9.12	
2	100 x 50 x 20 x 2.5mm Thick cold-formed lipped channel	t	2.03	
3	M12 Chemical anchor bolts	No	250	
Carried Forward to Summary of Section No. 2				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 11				
Structural Steelwork (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 12</u>				
	<u>METALWORK (PROVISIONAL) (CPAP WORK GROUP NO. 136 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Descriptions of bolts, anchors, etc</u>				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres				
	<u>Aluminium doors, windows, etc</u>				
	Doors and windows shall comply with AAAMSA design criteria				
	Glazing shall comply with SAGGA regulations. Glass shall be laminated performance glass as shown on the window schedules/drawings appended to these bills of quantities. Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules /drawings				
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 12 Metalwork (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R	
<p>Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed</p> <p>Tenderers are to note that should there be any doubt or obscurity as to the meaning and intent of any descriptions, the Contractor must have the same rectified and allow for same accordingly in his tender. The Contractor is to include in his rates for all that he considers necessary for the proper construction of the windows and doors. No claims whatsoever will be afterwards admitted due to the Contractor having failed to comply with these conditions</p> <p>The following certificates shall be provided prior to commencement of site work:</p> <ol style="list-style-type: none"> 1. A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product 2. A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively 3. A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process 4. A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked 5. A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years 				
Carried Forward			R	
<p>SECTION NO. 2 : BUILDERS WORK</p> <p>Bill No. 12</p> <p>Metalwork (Provisional)</p> <p>PREPARED BY: DBSA</p>				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>"Bitcon" or equally approved steel door (Refer to 500 Door Schedules)</u>			
6	Door overall size 813 x 2032mm high (Type SD-01)	No	5
7	Double door overall size 1830 x 2440mm high (Type SD-02)	No	2
<u>STEEL ROLLER SHUTTERS ETC</u>			
<u>"Xpanda" or equally approved galvanised steel roller shutters with 76mm slats (18kg/m²), fixed to brickwork or concrete</u>			
8	Chain operated slatted roller shutter for 3600 x 2600mm high opening	No	2
<u>ALUMINIUM WORK (CPAP WORK GROUP NO. 140 UNLESS OTHERWISE STATED)</u>			
<u>ALUMINIUM WINDOWS</u>			
<u>Refer to attached window schedules for details of windows (Refer to 520 Window Schedules)</u>			
<u>Powder coated casement window units complete with subframes, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</u>			
9	Window overall size 1000mm wide x 1250mm high extreme including all framing, glazing beads, glazing, and necessary glass fins, etc., complete (Type W01)	No	12
10	Window overall size 1200mm wide x 680mm high extreme including all framing, glazing beads, glazing, and necessary glass fins, etc., complete (Type W02)	No	2
11	Window overall size 1320mm wide x 2220mm high extreme including all framing, glazing beads, glazing, and necessary glass fins, etc., complete (Type W05)	No	8
12	Window overall size 1445mm wide x 1020mm high extreme including all framing, glazing beads, glazing, and necessary glass fins, etc., complete (Type W04)	No	1
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 12			
Metalwork (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
13	Window overall size 2200mm wide x 1200mm high extreme including all framing, glazing beads, glazing, and necessary glass fins, etc., complete (Type W03)	No	1
<u>ALUMINIUM SLIDING DOORS</u>			
<u>Automatic powder coated sliding doors complete with subframes, ironmongery, glass, sealing, etc and fixing to brickwork as per Architect's drawing number 500-47</u>			
14	Double door, 1828 x 2570mm high (Type ASD-02)	No	1
<u>ALUMINIUM DOORS</u>			
<u>Natural anodised doors or equally approved complete with subframes, ironmongery (elsewhere measured), glass, sealing, etc and fixing to brickwork or concrete (Refer to 500 Door Schedules)</u>			
15	Door overall size 1450mm wide x 2300mm high aluminium 1.5 door (Type AD-07)	No	1
<u>Powder coated doors, colour AP39005 matt jet black or equally approved, complete with subframes, ironmongery (elsewhere measured), glass, sealing, etc and fixing to brickwork, concrete or partitions (Refer to 500 Door Schedules)</u>			
16	Door overall size 900mm wide x 2600mm high aluminium single door (Type AD-04)	No	6
17	Door overall size 900mm wide x 2600mm high aluminium single door (Type AD-05)	No	1
18	Door overall size 1600mm wide x 2600mm high aluminium double door (Type AD-02)	No	17
<u>ALUMINIUM SLIDING FOLDING DOORS</u>			
<u>Composite panel sliding folding doors complete with subframes, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</u>			
19	Sliding door overall size 6194mm wide x 2600mm high	No	1
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 12 Metalwork (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>ALUMINIUM LOUVRE UNITS</u>				
<u>NATURAL ANODISED HORIZONTAL ALUMINIUM LOUVRE UNITS</u>				
<u>Fixed louvre units screwed into timber frames</u>				
20	Louvre unit 500 x 300mm high	m2	3	
<u>ALUMINIUM SHOPFRONTS, DOORS ETC.</u>				
<u>Powder coated shopfronts, colour AP39005 Matt Jet Black or equally approved complete with subframes, ironmongery (elsewhere measured), glass, vinyl sandblasting, sealing, etc and fixing to brickwork, concrete or partitions (Refer to 510 Shopfront Schedules)</u>				
21	Shopfront overall size 1130 x 6013mm high (Shopfront Type SF-11)	No	1	
22	Shopfront overall size 1260 x 6013mm high (Shopfront Type SF-09/10)	No	2	
23	Shopfront overall size 2200 x 2600mm high (Shopfront Type SF-14) with one single door 900 x 2600mm (Door Type: AD05)	No	5	
24	Shopfront overall size 2404 x 2600mm high (Shopfront Type SF-49) with one single door 900 x 2600mm (Door Type: AD05)	No	5	
25	Shopfront overall size 2640 x 6013mm high (Shopfront Type SF-08)	No	1	
26	Shopfront overall size 3104 x 2990mm high (Shopfront Type SF-52) with one single paraplegic door 1200 x 2400mm (Door Type: SF-02)	No	1	
27	Shopfront overall size 4083 x 2300mm high (Shopfront Type SF-50) with one and a half leaf door 1450 x 2300mm (Door Type: AD07)	No	1	
Carried Forward				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 12				
Metalwork (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
28	Shopfront overall size 4480 x 2600mm high (Shopfront Type SF-16) with one single door 900 x 2600mm (Door Type: AD04)	No	4	
29	Shopfront overall size 4513 x 2600mm high (Shopfront Type SF-41) with one double door 1600 x 2600mm (Door Type: AD03)	No	1	
30	Shopfront overall size 4631 x 2600mm high (Shopfront Type SF-48) with one double door 1600 x 2600mm (Door Type: AD03)	No	1	
31	Shopfront overall size 4715 x 2600mm high (Shopfront Type SF-15) with one single door 900 x 2600mm (Door Type: AD04)	No	4	
32	Shopfront overall size 4715 x 2600mm high (Shopfront Type SF-34) with one double door 1540 x 2560mm (Door Type: AD02)	No	1	
33	Shopfront overall size 4730 x 2600mm high (Shopfront Type SF-30) with one single door 900 x 2600mm (Door Type: AD04)	No	1	
34	Shopfront overall size 5314 x 2600mm high (Shopfront Type SF-37) with one single door 900 x 2600mm (Door Type: AD04)	No	1	
35	Shopfront overall size 5456 x 2600mm high and 6003 x 2600mm high (Shopfront Type SF-40) with two single doors 900 x 2600mm (Door Type: AD04)	No	1	
36	Shopfront overall size 5480 x 2600mm high (Shopfront Type SF-13) with two single doors 900 x 2600mm (Door Type: AD04)	No	5	
37	Shopfront overall size 5624 x 2600mm high (Shopfront Type SF-36) with two single doors 900 x 2600mm (Door Type: AD04)	No	1	
38	Shopfront overall size 5809 x 2600mm high and 14301 x 2600mm high (Shopfront Type SF-45) with five single doors 900 x 2600mm (Door Type: AD04)	No	1	
	Carried Forward			R
	SECTION NO. 2 : BUILDERS WORK			
	Bill No. 12			
	Metalwork (Provisional)			
	PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
49	Shopfront overall size 10785 x 2600mm high (Shopfront Type SF-18) with two single doors 900 x 2600mm (Door Type: AD04 and AD05)	No	1	
50	Shopfront overall size 10900 x 2600mm high (Shopfront Type SF-46) with two single doors 900 x 2600mm (Door Type: AD04)	No	1	
51	Shopfront overall size 11076 x 2600mm high (Shopfront Type SF-43) with two double doors 1600 x 2600mm (Door Type: AD03)	No	1	
52	Shopfront overall size 11170 x 2600mm high (Shopfront Type SF-47) with two single doors 900 x 2600mm (Door Type: AD04)	No	1	
53	Shopfront overall size 11935 x 2600mm high (Shopfront Type SF-23) with two single doors 900 x 2600mm (Door Type: AD04)	No	1	
54	Shopfront overall size 12050 x 2600mm high (Shopfront Type SF-04) with three single doors 900 x 2600mm (Door Type: AD04)	No	1	
55	Shopfront overall size 12641 x 2600mm high (Shopfront Type SF-32) with three single doors 900 x 2600mm (Door Type: AD04)	No	1	
56	Shopfront overall size 11750 x 2990mm high (Shopfront Type SF-51) with one double automatic sliding door 1828 x 2570mm (Door Type: ASD01)	No	1	
57	Shopfront overall size 13010 x 2600mm high (Shopfront Type SF-29) with two single doors 900 x 2600mm (Door Type: AD04)	No	1	
58	Shopfront overall size 13841 x 2600mm high (Shopfront Type SF-44) with four single doors 900 x 2600mm (Door Type: AD04)	No	1	
59	Shopfront overall size 13860 x 2600mm high (Shopfront Type SF-01) with four single doors 900 x 2600mm (Door Type: AD04)	No	1	
	Carried Forward			R
	SECTION NO. 2 : BUILDERS WORK			
	Bill No. 12			
	Metalwork (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R	
60	Shopfront overall size 14930 x 2600mm high (Shopfront Type SF-03) with four single doors 900 x 2600mm (Door Type: AD04)	No	1		
61	Shopfront overall size 15530 x 2600mm high (Shopfront Type SF-20) with two single doors 900 x 2600mm (Door Type: AD04)	No	1		
62	Shopfront overall size 18182 x 2600mm high (Shopfront Type SF-33) with five single doors 900 x 2600mm (Door Type: AD04)	No	1		
63	Shopfront overall size 20915 x 2600mm high (Shopfront Type SF-17) with six single doors 900 x 2600mm (Door Type: AD04)	No	1		
64	Shopfront overall size 20930 x 2600mm high (Shopfront Type SF-39) with six single doors 900 x 2600mm (Door Type: AD04)	No	1		
65	Shopfront overall size 21924 x 2600mm high (Shopfront Type SF-31) with six single doors 900 x 2600mm (Door Type: AD04)	No	1		
66	Shopfront overall size 22200 x 2600mm high (Shopfront Type SF-38) with six single doors 900 x 2600mm (Door Type: AD04)	No	1		
67	Shopfront overall size 22260 x 2600mm high (Shopfront Type SF-12) with seven single doors 900 x 2600mm (Door Type: AD04)	No	1		
68	Shopfront overall size 22315 x 2600mm high (Shopfront Type SF-25) with six single doors 900 x 2600mm (Door Type: AD04)	No	1		
69	Shopfront overall size 22320 x 2600mm high (Shopfront Type SF-24) with six single doors 900 x 2600mm (Door Type: AD04)	No	1		
70	Shopfront overall size 22356 x 2600mm high (Shopfront Type SF-42) with six single doors 900 x 2600mm (Door Type: AD04)	No	1		
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK				
	Bill No. 12				
	Metalwork (Provisional)				
	PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS
ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
71	Shopfront overall size 25102 x 2600mm high (Shopfront Type SF-02) with seven single doors 900 x 2600mm (Door Type: AD04)	No	1	
Carried Forward to Summary of Section No. 2				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 12				
Metalwork (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 13</u>				
	<u>PLASTERING (PROVISIONAL) (CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SCREEDS</u>				
	<u>Screeds wood floated, on concrete</u>				
1	25mm Thick on floors and landings	m2	6 586		
2	25mm Thick on ramps	m2	21		
	<u>Apply "Isocrete K-Screed" or other equal and approved to a minimum 20mm thickness. Applied in accordance with approved manufacturer's specifications by approved applicators</u>				
3	Minimum 20mm thick on treads and risers of stairs	m2	382		
4	Minimum 20mm thick on walls	m2	275		
	<u>Apply one coat "Flowscreed Industrial Top" or other equal and approved (spread rate - 17kg/m²) to a minimum 5mm thickness with a maximum overcoating time of 48 hours. Applied in accordance with manufacturer's specifications by approved applicators</u>				
5	Minimum 5mm thick on treads and risers of stairs	m2	382		
6	Minimum 5mm thick on walls	m2	275		
	<u>"Flowtex F1" or other equal and approved mortar coving including "Flowtex HT" or equal and approved joint</u>				
7	220 x 100mm Triangular fillets against walls, kerbs, etc	m	320		
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 13 Plastering (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>INTERNAL PLASTER</u>			
<u>Cement plaster steel trowelled, on brickwork</u>			
8	On walls	m2	7 199
9	On narrow widths	m2	59
<u>Cement plaster rendering coat with gypsum skim plaster finishing coat, on brickwork</u>			
10	On walls	m2	112
<u>EXTERNAL PLASTER</u>			
<u>Cement plaster steel trowelled, on brickwork</u>			
11	On walls	m2	100
12	On narrow widths	m2	42
<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u> <u>(CPAP WORK GROUP NO. 140 UNLESS OTHERWISE STATED)</u>			
13	"Genesis" or other equal and approved, interior aluminium formable shopfront trim fixed to substrate with general-purpose metal adhesive	m	460
14	"Genesis" or other equal and approved, interior aluminium formable transition colour Bright Silver (Code: TAF106.91), size 17 x 10mm x 2,5m long on laminate floor covering, fixed to substrate with general-purpose metal adhesive	m	200
15	"Genesis" or other equal and approved, interior tile-in ramp colour Matt Silver (Code: RSA104.81), size 20 x 9mm x 2,5m long on tile floor covering, fixed to substrate with tile adhesive	m	55
Carried Forward to Summary of Section No. 2			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 13			
Plastering (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 14</u>				
	<u>TILING (PROVISIONAL) (CPAP WORK GROUP NO. 144 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Prime Cost amounts for tiles are NET				
	Rates for tiling, in addition to the PC amount, must include for fixing, adhesive, grout, wastage, profit, etc				
	<u>Fixing</u>				
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding				
	Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat				
	Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the "Tal Professional" range of products as recommended by the manufacturer of the tiles				
	<u>WALL TILING</u>				
	<u>Supply and install 150 x 600mm Porcelain wall tiles (P.C. Amount R400 /m2) fixed with adhesive to plaster (plastered elsewhere) and flush pointed with tinted grout</u>				
1	On walls	m2	938		
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 14 Tiling (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Supply and install 600 x 600mm Porcelain wall tiles (P.C. Amount R400 /m2) fixed with adhesive to plaster (plastered elsewhere) and flush pointed with tinted grout</u>			
2	On walls	m2	798
<u>FLOOR TILING</u>			
<u>Supply and install 600 x 600mm Porcelain floor tiles (P.C. Amount R400 /m2) fixed with adhesive to screed (screed elsewhere) and flush pointed with 2mm tinted grouting</u>			
3	On floors and landings	m2	824
4	Skirting 100mm high	m	860
<u>SUNDRIES</u>			
<u>Aluminium corner protectors, stair nosings, edge trims, division strips etc.</u>			
5	"Genesis" or other equal and approved, interior aluminium straight edge trim in Bright Silver (Code: ESA080.91), size 21 x 8mm on tile surfaces, securely bedded in adhesive	m	675
6	"Genesis" or other equal and approved, interior tile-in ramp colour Matt Silver (Code: RSA104.81), size 20 x 9mm on tile floor covering, fixed to substrate with tile adhesive	m	15
7	"Genesis" or other equal and approved, edge strip Matt Silver fixed to substrate with tile adhesive	m	125
Carried Forward to Summary of Section No. 2			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 14			
Tiling (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 15</u>				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u> <u>(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<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				
	<u>uPVC pipes and fittings</u>				
	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				
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 15 Plumbing and Drainage (Provisional) PREPARED BY: DBSA				

<p style="text-align: right;">Brought Forward</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>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</p> <p><u>High density polyethylene (HDPE) pipes and fittings</u></p> <p>Pipes shall be type IV and of the class specified with "Plasson" or "Alprene" compression fittings</p> <p><u>"Polycop" polypropylene pipes</u></p> <p>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</p> <p>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</p> <p><u>Copper pipes</u></p> <p>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" or other equally and aproved type. Capillary solder fittings shall comply with ISO 2016</p>			R	
<p style="text-align: right;">Carried Forward</p> <p>SECTION NO. 2 : BUILDERS WORK Bill No. 15 Plumbing and Drainage (Provisional) PREPARED BY: DBSA</p>			R	

<p style="text-align: right;">Brought Forward</p> <p>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</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given</p> <p><u>Fixing of pipes</u></p> <p>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</p> <p><u>Paper wrapping to pipes</u></p> <p>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</p> <p><u>Disinfection of water pipework</u></p> <p>Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)</p> <p><u>General</u></p> <p>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)</p> <p>Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends</p>			R	
<p style="text-align: right;">Carried Forward</p> <p>SECTION NO. 2 : BUILDERS WORK Bill No. 15 Plumbing and Drainage (Provisional) PREPARED BY: DBSA</p>			R	

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 98% Mod AASHTO density and disposal of surplus material on site</p> <p>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)</p> <p>Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured)</p> <p>Prices for installation of all taps, valves, etc, shall in all cases be deemed to include for the necessary couplings required for connecting to pipework whether specifically described or not</p> <p><u>As built drawings</u></p> <p>Where required, the contractor shall prepare an updated set of as built drawings. At completion of the contract the contractor shall hand these drawings to the Principal Agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere)</p> <p><u>SANITARY FITTINGS</u></p> <p><u>"Franke" or other equal and approved</u></p>				
1	<p>Projectline Model PLN611 Grade 304 18/10 polished stainless steel single end bowl inset sink (Code: 1990030), overall size 800 x 460mm with one 340 x 370 x 140mm deep bowl, fitted onto cupboard (elsewhere specified) including PVC trap (trap elsewhere specified) with 38mm waste fitting</p>	No	11	
Carried Forward				R
<p>SECTION NO. 2 : BUILDERS WORK</p> <p>Bill No. 15</p> <p>Plumbing and Drainage (Provisional)</p> <p>PREPARED BY: DBSA</p>				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
2	Rondo Model RDX610-45 Grade 304 18/10 polished stainless steel single prep bowl (Code: 1990012), overall size 450mm diameter with one 380mm diameter x 161mm deep bowl, fitted onto cupboard (elsewhere specified) including PVC trap (trap elsewhere specified) with 90mm waste fitting without overflow	No	5	
	<u>"Vaal" or other equal and approved</u>			
3	Amber Classic vitreous china wall hung basin colour White (Code: 700303WH), overall size 510 x 440 x 195mm with three tapholes including integrated overflow and chainstay hole, bolted to wall with 2No.10mm bolts (Code: 8448Z000) and sealed with silicone sealant where basin meets wall	No	4	
4	Azalea 510 vitreous china semi-recessed basin colour White (Code: 705800WH), overall size 510 x 500 x 160mm with one taphole with integrated overflow, fitted onto vanity top (elsewhere specified)	No	37	
5	Midi Weaver vitreous china countertop vanity basin colour White (Code: 706601WH), overall size 450 x 350 x 130 mm without tapholes with integrated overflow, fitted onto vanity top (elsewhere specified) including 2No.10mm bolts (Code: 8448Z000) and sealed with silicone sealant where basin meets wall and vanity top	No	1	
6	Urban Life 90° outlet back inlet closed rim wall hung pan, with quality soft-close seat (Code: 439300WH)	No	4	
7	Urban Compact CC vitreous china close coupled suite colour White (Code: 772562WH), oversll size 608 x 358 x 806mm high with Thermoset Soft-Close seat (Code: 8535Z0), comprising 90° outlet closed rim washdown pan (Code: 772500WH) with matching 6 litre cistern top dual flush cistern including fitments	No	3	
8	Entice vitreous china 90° outlet back inlet wall hung closed rim pan colour White (Code: 439600WH), oversll size 568 x 363 x 435mm high with Entice Thermoset seat (Code: 8854Z000), fixed on and including bolt-through-the-wall bracket (Code: 8084Z0) with concealed back inlet flushvalve (elsewhere specified)	No	48	
	Carried Forward			R
	SECTION NO. 2 : BUILDERS WORK Bill No. 15 Plumbing and Drainage (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
9	Pearl Paraplegic vitreous china floor mounted paraplegic washdown suite colour White (Code: 7300SCWH), comprising semi close couple 90° outlet open rim washdown pan and matching 9 litre cistern complete with lid, fitments and purpose made side-flush lever	No	1	
10	565 x 275 x 310mm Sweetpea back inlet white vitreous china wall mounted urinal (Code: 705127WH) including 38mm chromium plated domical grating (Code:8787Z0) and chromium plated back inlet spreader (Code: 7054Z2), flush valve, flush pipe and fittings (by others), fixed on and including two hanger brackets (Code: 8127Z0) and urinal division (Code: 705200WH) fixed with and including fixing screws and hanger bracket	No	19	
	<u>WASTE UNIONS, ETC.</u>			
	<u>"Cobra Watertech" or other equal and approved</u>			
11	32mm Chrome plated basin waste (Code: 308) with 62mm diameter flange, 80mm long shank and plug	No	3	
12	32mm Chrome plated Aqua slotted basin click waste (Code: 302-32) with 62mm diameter flange and 80mm long shank	No	1	
13	40mm Chrome plated slotted basin waste (Code: P-303) with plug, includes 62mm diameter flange, 77mm long shank, and 1¼" BSP male outlet connection	No	38	
	<u>TRAPS, ETC.</u>			
	<u>"Cobra Watertech" or other equal and approved</u>			
14	40mm Chrome plated bottle trap (Code: 345/40) with 75mm deep re-seal, adjustable telescopic pipe, and 1¼" female inlet 40mm outlet	No	5	
	<u>"Franke" or other equal and approved</u>			
15	Spazi F/1 plumbing kit (Code: 1120008)	No	16	
	Carried Forward			R
	SECTION NO. 2 : BUILDERS WORK Bill No. 15 Plumbing and Drainage (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>"Isca" or other equal and approved</u>			
16	Chrome Plated bottle trap (Code: 618CH), overall size 32 x 32mm, connected to 40mm waste outlet	No	37
<u>TAPS, ETC.</u>			
<u>"Cobra Watertech" or other equal and approved</u>			
17	15mm Chrome Noka deck mounted basin mixer with 6L/min flow rate (Code: NA-951), installed in accordance with the manufacturers recommendations	No	7
18	15mm Chrome Medical Elbow Action wall mountedbasin mixer (Code: 503-21B), manufactured in accordance with SANS 226 Type 2, installed in accordance with the manufacturers recommendations Medical elbow-action wall-type basin mixer chrome Includes ¼" turn ceramic disc ½" BSP male inlet re-inforcing back plate and aerated fixed straight outlet • SANS 226 Type 2	No	1
19	15mm Chrome Metering deck mounted metering tap (Code: KM2-301), manufactured in accordance with SANS 1808-9, installed in accordance with the manufacturers recommendations. Metering stop tap chrome. Includes self-closing non-hold open flow controller with a flow cycle of 1-20 seconds ½" male inlet and stainless steel flange. Excellent water-saving product and can be easily installed. SANS 1808-9	No	19
<u>"Isca" or other equal and approved</u>			
20	15mm Chrome Chloe sink mixer (Code: EX7003CH), manufactured in accordance with SANS 1480:2005 and SANS 226:2004	No	16
21	15mm Chrome Bordo Square basin mixer (Code: 5919CH), manufactured in accordance with SANS 1480:2005 and SANS 226:2004	No	34
<u>VALVES, ETC.</u>			
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 15 Plumbing and Drainage (Provisional) PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>HDPE soil and vent pipes</u>				
56	50mm Pipes	m	103	
57	63mm Pipes	m	16	
58	75mm Pipes	m	78	
59	110mm Pipes	m	619	
60	125mm Pipes	m	110	
<u>Extra over HDPE soil and vent pipes for fittings</u>				
61	50mm Adaptor coupling	No	11	
62	63mm Adaptor coupling	No	1	
63	75mm Adaptor coupling	No	8	
64	110mm Adaptor coupling	No	61	
65	125mm Adaptor coupling	No	11	
66	75mm Expansion coupling with double flange including ring seals, etc	No	8	
67	110mm Expansion coupling with double flange including ring seals, etc	No	61	
68	125mm Expansion coupling with double flange including ring seals, etc	No	11	
69	50mm Bend	No	107	
70	63mm Bend	No	19	
71	75mm Bend	No	15	
72	110mm Bend	No	106	
73	125mm Bend	No	10	
Carried Forward				R
SECTION NO. 2 : BUILDERS WORK Bill No. 15 Plumbing and Drainage (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
74	50mm Junction	No	41	
75	63mm Junction	No	1	
76	75mm Junction	No	14	
77	110mm Junction	No	143	
78	125mm Junction	No	18	
79	75 x 50 x 75mm Reducing junction	No	10	
80	110 x 50 x 110mm Reducing junction	No	37	
81	110 x 75 x 110mm Reducing junction	No	10	
82	125 x 50 x 125mm Reducing junction	No	11	
83	125 x 110 x 110mm Reducing junction	No	5	
84	125 x 110 x 125mm Reducing junction	No	10	
85	110mm Pan connector	No	52	
86	75mm Rodding eye	No	9	
87	110mm Rodding eye	No	40	
88	125mm Rodding eye	No	12	
	<u>Testing</u>			
89	Testing waste pipe system		Item	
	<u>WATER SUPPLIES</u>			
	<u>"Geberit Mepla" or other equal and approved pipes with capillary couplings</u>			
90	16mm Pipes	m	872	
91	20mm Pipes	m	589	
	Carried Forward			R
	SECTION NO. 2 : BUILDERS WORK			
	Bill No. 15			
	Plumbing and Drainage (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
92	22mm Pipes	m	15	
93	26mm Pipes	m	151	
94	32mm Pipes	m	76	
95	40mm Pipes	m	80	
96	50mm Pipes	m	85	
97	63mm Pipes	m	5	
98	76mm Pipes	m	167	
	<u>Extra over "Geberit Mepla" or other equal and approved pipes for capillary fittings</u>			
99	16mm Fittings	No	337	
100	20mm Fittings	No	242	
101	22mm Fittings	No	8	
102	26mm Fittings	No	130	
103	32mm Fittings	No	65	
104	40mm Fittings	No	46	
105	50mm Fittings	No	53	
106	63mm Fittings	No	2	
107	76mm Fittings	No	57	
	<u>PUMPS ETC</u>			
108	"Grundfos" or other equal and approved Pump Set 1 as per specification on drawing no. P-4007 "Roof Plumbing Layout"	No	1	
	Carried Forward			R
	SECTION NO. 2 : BUILDERS WORK Bill No. 15 Plumbing and Drainage (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
109	"Grundfos" or other equal and approved Pump Set 2 as per specification on drawing no. P-4007 "Roof Plumbing Layout"	No	1	
110	"Grundfos" or other equal and approved Self Contained Waste Water Pump and Station complete as per specification on drawing no. P-4000 "Lower Ground Floor Plumbing and Drainage Layout"	No	1	
111	"Kwikot" or other equal and approved Heat Pump as per specification on drawing no. P-4007 "Roof Plumbing Layout"	No	1	
112	Circulating Pump as per specification on drawing no. P-4007 "Roof Plumbing Layout"	No	1	
<u>ELECTRIC WATER HEATERS</u>				
113	"Kwikot" or other equal and approved 15 litre KwikBoil water boiler colour White Epoxy (Code: KWIKBOIL-15), size 370 x 230 x 513mm high with Stainless Steel tank, steam free boiling water, electronic controls, 15mm overflow, connected to 15mm cold water supply including isolating valve and 230 volt 2400 watt electrical power supply, plugged and screwed to wall and fitted under 1 year warranty	No	17	
<u>DRIP TRAYS, TANKS, ETC</u>				
114	"Grundfos" or other equal and approved 450L Vertical pressure tank	No	1	
115	"Kwikot" or other equal and approved 450L Megaflow tank	No	1	
<u>PIPE INSULATION</u>				
<u>20mm Think "Thermaflex" or other equal and approved pipe insulation with plain covering</u>				
116	Insulation to 16mmø internal diameter pipes including couplings	m	275	
117	Insulation to 20mmø internal diameter pipes including couplings	m	250	
Carried Forward				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 15				
Plumbing and Drainage (Provisional)				
PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
1	Walls	m2	5 447
	<u>One coat "Dulux trade" alkali resistant plaster primer and two coats "Dulux low sheen wash and ware" paint for interior use</u> <u>"FLOWCRETE" or other equal and approved</u> <u>Prime surface with "Flowseal EPW" clear primer (spread rate - 6m²/litre). Apply three coats "Flowseal EPW" with a minimum dry film thickness of 60 microns thick per coat with a maximum overcoating time of 12 hours. Applied in accordance with approved manufacturer's specifications by approved applicators</u>		
2	Walls	m2	275
	<u>ON EXTERNAL FLOATED PLASTER</u> <u>"DULUX" or other equal and approved</u> <u>One coat "Dulux trade" alkali resistant plaster primer and two coats "Dulux low sheen wash and ware" paint for exterior use</u>		
3	Walls	m2	143
	<u>ON PLASTERBOARD SURFACES</u> <u>"DULUX" or other equal and approved</u> <u>One coat "Dulux trade" alkali resistant plaster primer and two coats "Dulux trade 65" matt PVA</u>		
4	Ceilings	m2	1 423
	<u>One coat "Dulux trade" alkali resistant plaster primer and two coats "Dulux low sheen wash and ware" paint for interior use</u>		
5	Partitions	m2	4 632
	<u>ON SMOOTH CONCRETE SURFACES</u> <u>"DULUX" or other equal and approved</u>		
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 16 Paintwork (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>One coat "Dulux trade" alkali resistant plaster primer and two coats "Dulux low sheen wash and ware" paint for interior use</u>			
6	Walls and columns	m2	10
7	Ceilings and beams	m2	10
<u>ON METAL SURFACES</u>			
<u>"DULUX" or other equal and approved</u>			
<u>One coat "Dulux" primer for steel, one coat trade universal undercoat and two coats "Dulux Pearl glo" waterbased enamel</u>			
8	Doors	m2	200
9	Door frames etc	m2	100
10	Members of lattice columns, beams and roof trusses	m2	1 515
<u>ON WOOD SURFACES</u>			
<u>Two coats oil wood primer</u>			
11	Backs of frames, linings, etc not exceeding 300mm wide	m	2 175
<u>"DULUX" or other equal and approved</u>			
<u>One coat "Dulux" primer for wood, one coat "Dulux trade" universal undercoat and two coats "Dulux Pearl glo" waterbased enamel</u>			
12	Doors	m2	356
13	Door frames etc	m2	54
14	Skirtings, rails, etc not exceeding 300mm girth	m	1 980
<u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u>			
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 16 Paintwork (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
	<u>"DULUX" or other equal and approved</u>		
	<u>One coat "Dulux trade" alkali resistant plaster primer and two coats "Dulux low sheen wash and ware" paint for interior use</u>		
15	Walls	m2	20
	<u>ON EXTERNAL FLOATED PLASTER</u>		
	<u>"DULUX" or other equal and approved</u>		
	<u>One coat "Dulux trade" alkali resistant plaster primer and two coats "Dulux low sheen wash and ware" paint for exterior use</u>		
16	Walls	m2	949
	<u>ON SMOOTH CONCRETE SURFACES</u>		
	<u>"DULUX" or other equal and approved</u>		
	<u>One coat "Dulux trade" alkali resistant plaster primer and two coats "Dulux low sheen wash and ware" paint for interior use</u>		
17	Walls and columns	m2	594
	<u>One coat "Dulux trade" alkali resistant plaster primer and two coats "Dulux low sheen wash and ware" paint for interior use</u>		
18	Ceilings and beams	m2	2
19	Coffered ceilings (total girth measured)	m2	1 579
	<u>One coat "Dulux trade" alkali resistant concrete primer and two coats "Dulux trade" hi-chem epoxy enamel paint for interior use</u>		
20	Concrete floors	m2	523
	<u>"FLOWCRETE" or other equal and approved</u>		
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 16			
Paintwork (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Prime surface with "Flowseal EPW" clear primer (spread rate - 6m²/litre). Apply three coats "Flowseal EPW" with a minimum dry film thickness of 60 microns thick per coat with a maximum overcoating time of 12 hours. Applied in accordance with approved manufacturer's specifications by approved applicators</u>			
21	On treads and risers of stairs	m2	382
<u>ON METAL SURFACES</u>			
<u>"DULUX" or other equal and approved</u>			
<u>One coat "Dulux" primer for steel, one coat trade universal undercoat and two coats "Dulux Pearl glo" waterbased enamel</u>			
22	Doors	m2	160
23	Louvres	m2	200
24	Door frames etc	m2	20
25	Recordroom and strongroom doors and frames	m2	28
26	Rails, bars, pipes, etc not exceeding 300mm girth	m	930
<u>ON WOOD SURFACES</u>			
<u>"DULUX" or other equal and approved</u>			
<u>One coat "Dulux" primer for wood, one coat "Dulux trade" universal undercoat and two coats "Dulux Pearl glo" waterbased enamel</u>			
27	Doors	m2	287
28	Door frames etc	m2	57
29	Timber panels	m2	400
30	Timber panels under windows	m2	275
<u>SIGNWRITING</u>			
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK Bill No. 16 Paintwork (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Etching primer and two coats reflective road marking paint on concrete</u>			
31	Line 100mm wide	m	315
32	Numeral or letter 70mm high	No	60
33	Traffic arrow 160 x 70mm wide extreme	No	9
34	Traffic arrow 120 x 80mm wide extreme	No	2
35	Traffic arrow 160 x 120mm wide extreme	No	1
36	Paraplegic parking motif 3000 x 1500mm extreme	No	2
Carried Forward to Summary of Section No. 2			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 16			
Paintwork (Provisional)			
PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 18</u>				
	<u>EXTERNAL WORKS (PROVISIONAL) (CPAP WORK GROUP NO. 104 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>ROADWORK, PARKING AREAS AND PAVING</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>Site clearance</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 85mm girth, bush, etc	m2	300		
	<u>Excavation in earth</u>				
2	Not exceeding 2m deep to reduce levels and dispose in prescribed stock piles on site	m3	60		
	<u>Extra over bulk excavation in earth for excavation in</u>				
3	Soft rock	m3	6		
4	Hard rock	m3	6		
	<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	60		
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 18 External Works (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Keeping excavations free of water</u>			
6	Keeping excavations free of water other than subterranean water	Item	
<u>Compaction of surfaces</u>			
7	Compaction of ground surfaces 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	m2	300
<u>Soil insecticide in accordance with SANS 5859</u>			
8	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	300
<u>LAYER WORKS</u>			
<u>Filling supplied by the contractor under parking areas, roadways, etc</u>			
9	150mm high Base course of G2 natural gravel material, compacted to 98% Mod AASHTO density	m2	300
10	Extra over subbase or base course of natural gravel material for stabilisation with cement at the rate of 3% per m ³	m2	300
<u>Prescribed density tests on filling</u>			
11	"Modified AASHTO Density" test	No	6
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 18			
External Works (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
	<u>Corobrik 52MPa Burgundy clay paving bricks, size 200 x 98.5 x 65mm thick laid in Herringbone Bond pattern with a Cedarberg Boarder and a minimum longitudinal fall of 1% on a transverse fall of at least 2% on 25mm compacted sand bed with fine jointing sand swept and vibrated into joints, all laid on subgrade conforming to SANS 1200 D Degree Of Accuracy I. Paving to be inspected and re-sanded after three months</u>			
12	Paving to sidewalks etc to falls, including necessary straight edge blocks	m2	300	
	<u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u>			
13	75 x 110mm High mini kerbs continuous unreinforced concrete haunching at back of each joint, laid on 15MPa concrete, including excavation backfilling, etc	m	144	
Carried Forward to Summary of Section No. 2				R
SECTION NO. 2 : BUILDERS WORK				
Bill No. 18				
External Works (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 19</u>				
	<u>BUDGETARY ALLOWANCES (PROVISIONAL)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>The following budgetary allowances are for work to be executed either by a nominated / selected sub-contractor as instructed by the principal agent.</u>				
	<u>Tenderers are to allow in their overall Preliminaries costs for this scope of work as no additional Preliminaries will be entertained should this work proceed.</u>				
	<u>The Employer reserves the right to execute this work in part or in whole or omit the entire scope.</u>				
	<u>BUDGETARY ALLOWANCES</u>				
	<u>Furniture and Fittings</u>				
1	Provide the amount of R12 000 000.00 (Twelve Million Rand) for Furniture and Fittings		Item		10 000 000.00
2	Profit		Item		
3	Attendance		Item		
	<u>Sanitary Accessories Including Vanity Tops, etc</u>				
4	Provide the amount of R720 000.00 (Seven Hundred and Twenty Thousand Rand) for Sanitary Accessories Including Vanity Tops, etc		Item		600 000.00
5	Profit		Item		
6	Attendance		Item		
	Carried Forward			R	
	SECTION NO. 2 : BUILDERS WORK Bill No. 19 Budgetary Allowances (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Purpose Made Security Fencing</u>			
7	Provide the amount of R720 000.00 (Seven Hundred and Twenty Thousand Rand) for Purpose Made Security Fencing	Item	600 000.00
8	Profit	Item	
9	Attendance	Item	
<u>Window Blinds</u>			
10	Provide the amount of R600 000.00 (Six Hundred Thousand Rand) for Window Blinds	Item	500 000.00
11	Profit	Item	
12	Attendance	Item	
<u>Landscaping</u>			
13	Provide the amount of R420 000.00 (Four Hundred and Twenty Thousand Rand) for Landscaping	Item	350 000.00
14	Profit	Item	
15	Attendance	Item	
<u>Signage</u>			
16	Provide the amount of R360 000.00 (Three Hundred and Sixty Thousand Rand) for Signage	Item	300 000.00
17	Profit	Item	
18	Attendance	Item	
<u>Repairs to the Existing Façade</u>			
19	Provide the amount of R360,000.00 (Three Hundred and Sixty Thousand Rand) for Repairs to the Existing Façade	Item	300 000.00
Carried Forward			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 19			
Budgetary Allowances (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward		R
20	Profit	Item	
21	Attendance	Item	
	<u>Roof Feature</u>		
22	Provide the amount of R360 000.00 (Three Hundred and Sixty Thousand Rands) for the Roof Feature	Item	300 000.00
23	Profit	Item	
24	Attendance	Item	
	<u>Servicing Roller Shutter Doors, Gate Motors, Vault Doors, Aluminium Doors and Windows, including Ironmongery</u>		
25	Provide the amount of R240,000.00 (Two Hundred and Fourty Thousand Rand) for Servicing Roller Shutter Doors, Gate Motors, Vault Doors, Aluminium Doors and Windows, including Ironmongery	Item	200 000.00
26	Profit	Item	
27	Attendance	Item	
	<u>Salary of Client Liaison Officer (CLO)</u>		
28	Provide the amount of R240,000.00 (Two Hundred and Forty Thousand Rand) for the Salary of Client Liaison Officer (CLO)	Item	200 000.00
29	Profit	Item	
30	Attendance	Item	
	<u>Servicing and Sanitising of Break Pressure Tank and Roof Water Storage Tank Including Refurbishment of all Seals, etc</u>		
31	Provide the amount of R60,000.00 (Sixty Thousand Rand) for the Servicing and Sanitising of Break Pressure Tank and Roof Water Storage Tank Including Refurbishment of all Seals, etc	Item	50 000.00
	Carried Forward		R
	SECTION NO. 2 : BUILDERS WORK		
	Bill No. 19		
	Budgetary Allowances (Provisional)		
	PREPARED BY: DBSA		

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS
ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward		R
32	Profit	Item	
33	Attendance	Item	
	<u>Sundry Builders Work</u>		
34	Provide the amount of R900,000.00 (Nine Hundred Thousand Rand) for Sundry Builders Work	Item	750 000.00
Carried Forward to Summary of Section No. 2			R
SECTION NO. 2 : BUILDERS WORK			
Bill No. 19			
Budgetary Allowances (Provisional)			
PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 1</u>				
	<u>PRELIMINARIES (CPAP WORK GROUP NO. 190 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>PRELIMINARIES</u>				
	<u>The costs for the following items shall not be included in the cost rates for work listed in the rest of the Bill of Quantities.</u>				
1	Preliminaries including compliance with the occupational health and safety, transport and equipment rigging		Item		
2	Maintenance and guarantee of the complete installation for a period of twelve (12) months from the date of completion and handover		Item		
3	4No. sets of as-built drawings and O&M manuals c/w CD's including certificates issued on completion, such as electrical compliance, etc		Item		
4	Shop and builder's work drawings as specified (Contractor to do detailed site measurements to produce drawings)		Item		
5	Testing, commissioning, training and hand over of the entire fire system, in accordance with the specifications		Item		
6	Other items not included in the foregoing and required by the Tenderer. Full detailed schedule to be attached		Item		
	Carried Forward to Summary of Section No. 3			R	
	SECTION NO. 3 : FIRE PROTECTION				
	Bill No. 1				
	Preliminaries (Provisional)				
	PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 3</u>				
	<u>BILL NO. 2</u>				
	<u>FIRE PROTECTION (PROVISIONAL) (CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>FIRE PROTECTION (FIRE HYDRANTS, FIRE HOSE REELS, FIRE EXTINGUISHERS AND SPRINKLERS) AND FIRE DOORS</u>				
	<u>Pumps and pumphouse pipework</u>				
	<u>Supply, install and commission:</u>				
1	Jockey pump			SUM	
2	Pump test start arrangement			SUM	
3	Pump interconnecting piping and valves			SUM	
	<u>Fire extinguishers</u>				
4	Supply and install new fire extinguishers (4.5Kg) (works to ensure compliance)	No	42		
	<u>Fire hose reels</u>				
5	Service existing fire hose reels	No	18		
	<u>Fire hydrants</u>				
6	Service existing fire hydrants	No	16		
	<u>Automatic sprinkler installation</u>				
7	De-commission sprinkler system			SUM	
	Carried Forward			R	
	SECTION NO. 3 : FIRE PROTECTION Bill No. 2 Fire Protection and Fire Doors (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R	
8	Remove existing sprinkler heads and install new sprinkler heads	No	140		
9	Re-commission sprinkler system			SUM	
	<u>General</u>				
10	Allow for new life safety valve arrangement per floor (schematic to comply with statutory requirements)			SUM	
11	Inspect existing valve station and allow for full service (works to ensure compliance)			SUM	
	<u>Provisional sums</u>				
12	Fire signage allowance (photo luminescent)		Item		120 000.00
13	Repair rusted damaged pipes		Item		144 000.00
14	Contingency		Item		90 000.00
Carried Forward to Summary of Section No. 3				R	
SECTION NO. 3 : FIRE PROTECTION					
Bill No. 2					
Fire Protection and Fire Doors (Provisional)					
PREPARED BY: DBSA					

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS
ADMINISTRATIVE HEAD QUARTERS
LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

SECTION SUMMARY		Page No	Amount	
Bill No				
1	Preliminaries (Provisional)	120		
2	Fire Protection and Fire Doors (Provisional)	122		
Carried to Final Summary			R	
SECTION NO. 3 : FIRE PROTECTION				
PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R	
<p>The quantities given in the Bill for cable, cable markers, earth wire laid with cable, overhead conductors, overhead earth wire and excavations cannot be regarded as exact and are subject to measurement on site after completion of the service and adjustments will be made according to the unit rates given in the Bill.</p>				
<p>The Bill of Quantities is to be used for pricing and financial purposes only. The drawings take precedence over the particular (project) specification but should be used in conjunction with these specifications. The project specification takes precedence over quality specifications and the Bill of Quantities.</p>				
<p>Checking of Cable and Overhead Conductor Lengths. Notwithstanding the fact that lengths of cables and overhead conductors, as given in the Bill of Quantities, have been measured from scaled drawings, the Contractor shall check such lengths on site before ordering the cable as he will not be paid for excess cable after the completion of the service. Any allowance for off-cuts shall be made in the unit rates. The final measurements shall be based on the nett route length of the cables and overhead lines concerned, installed in accordance with the specification. However, the onus is on the Contractor to prove compliance with the specification.</p>				
<p>The unit prices quoted in the Bill of Quantities shall include for such small materials as are required for the complete installation in accordance with the specification.</p>				
<p>Bill No. 1 is to be regarded as fixed and will not be adjusted for variations in the final contract value or contract period.</p>				
Carried Forward			R	
<p>SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 1 Preliminaries (Provisional) PREPARED BY: DBSA</p>				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

<p style="text-align: right;">Brought Forward</p> <p>NOTE:</p> <p>Tenderers may not include the costs of the items of Bill No. 1 in the unit rates for items in the remainder of the Bill of Quantities. Bill No. 1 is to be completed as indicated.</p> <p>Failure to comply will result in the Engineer arbitrarily adjusting rates to exclude Preliminary and General costs.</p> <p>Unit prices for the same items in different Bills shall in all cases be the same, and in the case of differences, the Engineer reserves the right to change such unit prices when the completed list is checked, without adjusting the tender price.</p> <p>The total for each page of each Bill is to be carried forward to the collection page at the end of each Bill.</p> <p>P.C., Provisional and Contingency allowances, items and sums shall be expended as directed by the Engineer, and any balance remaining shall be deducted from the amount of the contract sum. Tenderers may not regard any unspent moneys as forming part of the final contract value.</p> <p>Variation Instruction No. 1 will be issued after award of the contract to omit all P.C., Provisional and Contingency sums/allowances from the contract and authorized contract value.</p> <p>Variation work, as well as the items described above, shall be measured as executed, and paid for according to unit prices in the Bill of Quantities. Where unit prices are not available, the work shall be priced, in conjunction with the Engineer, at current rates.</p>			R	
<p style="text-align: right;">Carried Forward</p> <p>SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 1 Preliminaries (Provisional) PREPARED BY: DBSA</p>			R	

Brought Forward			R	
<p>Unless otherwise specified in the Bill of Quantities, all items are to be priced on the basis of supply, delivery, offload, installation, connection, testing and commissioning.</p> <p>All prices are to be EXCLUSIVE OF V.A.T but inclusive of import duties, surcharges, commissions to third parties, etc., where applicable. The foregoing items, as well as the Contractor's handling, financing and profit mark-up, is not to be separately detailed, and must be included in the cost rates.</p> <p>Unless otherwise stated, all measurements are net, in accordance with the drawings, and no allowance has been made for wastage.</p> <p>The Employer reserves the right to increase or decrease the extent of the contract works, without restraint, on total value of variations issued relevant to any particular item in the Bill of Quantities, by issuing written variation instructions to omit or add, as may be required, the supply and/or installation of any item of equipment or work, whether listed in the Bill of Quantities or not, and without affecting the unit cost rates indicated in the Bill of Quantities or Preliminary and General items.</p> <p>In the event that tenderers disagree with the measured quantities the tender should be qualified accordingly, listing the items and quantities in question.</p> <p>The unit prices quoted in the Bill of Quantities must include for small installation materials such as nuts, bolts, nails, saddles, screws etc., as are required for the satisfactory complete installation in accordance with the specification.</p>				
Carried Forward			R	
<p>SECTION NO. 4 : ELECTRICAL INSTALLATION</p> <p>Bill No. 1</p> <p>Preliminaries (Provisional)</p> <p>PREPARED BY: DBSA</p>				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R	
<p>Unless otherwise stated in the Bill, the unit cost rates shall be based on the following:</p> <p>The rate for conduit boxes and for outlet boxes up to and including 100 x 100mm shall be the same regardless of the number of entries.</p> <p>The rate for conduit and outlet boxes shall include for fixing to the conduit with lock and bushnuts as may be required and for fixing to the building structure.</p> <p>The rate for outlet boxes shall be without covers and draw boxes shall be complete with covers and screws.</p> <p>The rate for industrial switch and plug units shall include for the relevant enclosure and fixing to conduit and building structure.</p> <p>The rate for light switches, switch plugs, dimmer units, etc., shall include for screws, cover plates and fuses/breakers where applicable and for connection of wiring thereto.</p> <p>The rate for conduit up to and including 25 mm diameter shall include all couplings, bends, boxes etc. as may be required.</p> <p>The rate for luminaires and accessories shall include for connection of the wiring thereto.</p> <p>All measurements are based on the most economical route lengths without any allowance for wastage, threading, jointing or slack.</p> <p>In the case of wiring in conduit, an allowance of 300mm per wire outlet box position has been made and in the case of cables and wiring entering switchboards, an allowance of 1000 and 2000mm has been made for termination purposes in sub-distribution and main distribution boards respectively.</p>				
<p style="text-align: right;">Carried Forward</p> <p>SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 1 Preliminaries (Provisional) PREPARED BY: DBSA</p>			R	

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward		R
<p>It should be noted that, notwithstanding anything to the contrary, any items completed or listed in the Bill of Quantities by the Tenderer will not be taken into account, will not be subject to re-measurement, and will not be regarded as a Bill of Quantities item.</p> <p>Where equipment is specified by name, the tenderer must price on this basis. Alternatives may be offered by tenderers but the use of which is subject to written approval by the Engineer.</p> <p><u>PRELIMINARIES</u></p> <p><u>The costs for the following items shall not be included in the cost rates for work listed in the rest of the Bill of Quantities.</u></p>		
1	Cost for compliance with Main Contractor's preliminary and general items not covered below.	Item
2	Contractual requirements as specified, i.e guarantees, insurance, sureties, company's overheads administration etc.	Item
3	Contract engineer, administration, supervision, programming and management.	Item
4	Establish site accommodation, storage etc.	Item
5	Maintain and operate site establishment.	Item
6	Remove site establishment on completion and remove all rubbish, foundations, concrete bases, dirt oil spillage, etc, and leave site in condition as found.	Item
7	Tools, equipment, plant hire and testing gear/meters as necessary.	Item
8	Guarantee and maintainance for the complete Electrical Installation including fittings, materials and workmanship for a period of TWELVE MONTHS after date of completion and handover	Item
Carried Forward		R
<p>SECTION NO. 4 : ELECTRICAL INSTALLATION</p> <p>Bill No. 1</p> <p>Preliminaries (Provisional)</p> <p>PREPARED BY: DBSA</p>		

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 2</u>				
	<u>GENERAL (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>GENERAL</u>				
1	Budgetary allowance for City of Tshwane electrical department requirements		Item		204 000.00
2	Contractor's attendance and mark up		%		
3	Provide the necessary shop drawings, marked up as built drawings and 4 no. plastic covered A4 files complete with all as built drawings etc. in plastic envelopes as specified		Item		
4	Carry out loop impedance test on every cable prior to terminating ends		Item		
5	Testing and commissioning inclusive of completing 1 No. Ibuya Consulting Engineer's test sheet and certificate of compliance for every new DB and for portion of works carried out on existing DB's		Item		
6	Testing by Lightning Protection and Earthing Specialist on building and report on findings		Item		
7	Budgetary Allowance for modification to Main LV Panel		Item		24 000.00
8	Contractor's attendance and mark up		%		
9	Allowance to liase with security personal to establish what existing services can be stripped out		Item		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 2 General (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
10	Liaise with Council to submit power reinstatement, arrange outages, and the submission of the relevant completion forms and certificate of compliance to ensure energisation of the new 11 kV Substations and acceptance thereof.		Item	
11	Core 300mm dia. 250mm thick concrete slab and allow to make good	No	5	
12	Core 200mm dia. 230mm thick concrete slab and allow to make good	No	5	
13	Earthing and bonding of cable ladders and galvanised trunking etc		Item	
14	75mm wide by 40mm deep chasing in slab with making good by others for floor conduits	m	30	
15	Chase 205 x 287 x 79mm deep in slab for floor boxes	No	10	
	<u>LABOUR RATES</u>			
16	Supervisor/Foreman	Hrs	5.00	
17	Electrician	Hrs	10.00	
18	Apprentice	Hrs	10.00	
19	Cable Jointer	Hrs	10.00	
20	Labourer	Hrs	15.00	
21	Watchman	Hrs	10.00	
	Carried Forward to Summary of Section No. 4			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 2			
	General (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 3</u>				
	<u>LV CABLING (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>L.V. CABLING</u>				
	<u>Supply the following 600 / 1 000 Volt Cu PVC SWA PVC SWA ECC cable:</u>				
1	185mm ² 4 core	m	312		
2	150mm ² 4 core	m	180		
3	120mm ² 4 core	m	14		
4	95mm ² 4 core	m	112		
5	70mm ² 4 core	m	31		
6	50mm ² 4 core	m	78		
7	35mm ² 4 core	m	194		
8	25mm ² 4 core	m	432		
9	16mm ² 4 core	m	246		
10	10mm ² 4 core	m	631		
11	10mm ² 2 core	m	97		
12	6mm ² 4 core	m	86		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 3 LV Cabling (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
13	25mm ² earth wire	m	212	
14	10mm ² earth wire	m	113	
	<u>Extra on last to install on cable ladder or trench</u>			
15	185mm ² 4 core	m	312	
16	150mm ² 4 core	m	180	
17	120mm ² 4 core	m	14	
18	95mm ² 4 core	m	112	
19	70mm ² 4 core	m	31	
20	50mm ² 4 core	m	78	
21	35mm ² 4 core	m	194	
22	25mm ² 4 core	m	432	
23	16mm ² 4 core	m	246	
24	10mm ² 4 core	m	631	
25	10mm ² 2 core	m	97	
26	6mm ² 4 core	m	86	
27	25mm ² earth wire	m	212	
28	10mm ² earth wire	m	113	
	<u>Termination inclusive of cable glands, lugs etc.</u>			
29	185mm ² 4 core	No	10	
30	150mm ² 4 core	No	6	
31	120mm ² 4 core	No	8	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 3			
	LV Cabling (Provisional)			
	PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 4</u>				
	<u>WIRE-WAYS (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>WIRE-WAYS</u>				
	<u>CABLE LADDERS</u>				
	<u>The complete supply, transport to site, and storage of hot dipped galvanised heavy duty cable ladder and offsets as required below:</u>				
1	150mm wide	m	44		
2	150mm 90 degree bend	No	3		
3	150mm Tee piece	No	2		
4	150mm 4-way piece	No	1		
5	150mm riser piece	No	1		
6	300mm wide	m	25		
7	300mm 90 degree bend	No	1		
8	300mm Tee piece	No	2		
9	300mm 4-way piece	No	1		
10	300mm riser piece	No	1		
11	500mm wide	m	59		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION				
	Bill No. 4				
	Wire-ways (Provisional)				
	PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
12	500mm 90 degree bend	No	2	
13	500mm Tee piece	No	2	
14	500mm 4-way piece	No	1	
15	500mm riser piece	No	1	
	<u>Extra on last to install horizontally (trapeeze) or vertically (P1000 unistrut). Fixings at 1000mm. Installation is to include for all joiner splices, raw bolts and fixing cable ladder to unistrut with bolt fasteners complete with spring washer, fixing bolts etc.</u>			
16	150mm wide	m	44	
17	150mm 90 degree bend	No	3	
18	150mm Tee piece	No	2	
19	150mm 4-way piece	No	1	
20	150mm riser piece	No	1	
21	300mm wide	m	25	
22	300mm 90 degree bend	No	1	
23	300mm Tee piece	No	2	
24	300mm 4-way piece	No	1	
25	300mm riser piece	No	1	
26	500mm wide	m	59	
27	500mm 90 degree bend	No	2	
28	500mm Tee piece	No	1	
29	500mm 4-way piece	No	1	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 4 Wire-ways (Provisional) PREPARED BY: DBSA			

-B.O.Q-138

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>Extra on last to install horizontally (trapeeze) or vertically (P1000 unistrut). Fixings at 1000mm. Installation is to include for all joiner splices, raw bolts and fixing cable tray to unistrut with bolt fasteners complete with spring washer, fixing bolts etc.</u>				
46	150mm wide	m	258	
47	150mm 90 degree bend	No	19	
48	150mm Tee piece	No	14	
49	150mm 4-way piece	No	3	
50	150mm riser piece	No	2	
51	300mm wide	m	54	
52	300mm 90 degree bend	No	6	
53	300mm Tee piece	No	4	
54	300mm 4-way piece	No	1	
55	300mm riser piece	No	1	
56	500mm wide	m	21	
57	500mm 90 degree bend	No	4	
58	500mm Tee piece	No	2	
59	500mm 4-way piece	No	2	
60	500mm riser piece	No	2	
<u>CABLE BASKETS</u>				
<u>The complete supply, transport to site, and storage of hot dipped galvanised medium duty cable basket and offsets as required below:</u>				
61	150mm wide	m	54	
Carried Forward				R
SECTION NO. 4 : ELECTRICAL INSTALLATION				
Bill No. 4				
Wire-ways (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
62	150mm 90 degree bend	No	3	
63	150mm Tee piece	No	2	
64	150mm 4-way piece	No	1	
65	150mm riser piece	No	1	
66	300mm wide	m	726	
67	300mm 90 degree bend	No	48	
68	300mm Tee piece	No	30	
69	300mm 4-way piece	No	4	
70	300mm riser piece	No	4	
	<u>Extra on last to install horizontally (trapeeze) or vertically (P1000 unistrut). Fixings at 1000mm. Installation is to include for all joiner splices, raw bolts and fixing cable basket to unistrut with bolt fasteners complete with spring washer, fixing bolts etc.</u>			
71	150mm wide	m	54	
72	150mm 90 degree bend	No	3	
73	150mm Tee piece	No	2	
74	150mm 4-way piece	No	1	
75	150mm riser piece	No	1	
76	300mm wide	m	726	
77	300mm 90 degree bend	No	48	
78	300mm Tee piece	No	30	
79	300mm 4-way piece	No	4	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 4			
	Wire-ways (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
80	300mm riser piece	No	4	
	<u>SLEEVES</u>			
	<u>Supply the following cable sleeves:</u>			
81	160mm hard PVC sleeves	m	14	
82	110mm hard PVC sleeves	m	17	
83	75mm hard PVC sleeves	m	12	
84	50mm hard PVC sleeves	m	13	
85	Slow radius bend for 160mm PVC sleeve	No	2	
86	Slow radius bend for 110mm PVC sleeve	No	3	
87	Slow radius bend for 75mm PVC sleeve	No	2	
88	Slow radius bend for 50mm PVC sleeve	No	4	
	<u>Extra on last to install the following in trech (trenching measured elsewhere)</u>			
89	160mm hard PVC sleeves	m	14	
90	110mm hard PVC sleeves	m	17	
91	75mm hard PVC sleeves	m	12	
92	50mm hard PVC sleeves	m	13	
93	Slow radius bend for 160mm PVC sleeve	No	2	
94	Slow radius bend for 110mm PVC sleeve	No	3	
95	Slow radius bend for 75mm PVC sleeve	No	2	
96	Slow radius bend for 50mm PVC sleeve	No	4	
	Carried Forward to Summary of Section No. 4			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 4			
	Wire-ways (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 5</u>				
	<u>MV INSTALLATION (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>MV INSTALLATION</u>				
	<u>The complete supply, transport to site, storage, installation, testing and commissioning in accordance with the specification</u>				
	<u>RING MAIN UNITS</u>				
1	11 kV RM6 non extensible 3 way ring main unit complete as specified in drawing No. 17052_605_A	No	1		
2	Mild steel box stand for 3 way RM6 complete with raised box to accommodate floor cable entry	No	1		
3	Disconnect and remove from site and deliver within 50 km of site the existing ring main unit	No	1		
4	Credit / scrap value for the existing ring main unit (rate only)	No	1		
	<u>TRANSFORMER</u>				
5	1250 kVA 11kV/400V Dyn11 complete as specified in scheduleNo. 17052_604_A	No	1		
6	Disconnect and remove from site and deliver within 50 km of Site the existing 1000 KVA Transformer	No	1		
7	Credit / scrap value for the existing transformer (rate only)		Item		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 5 MV Installation (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>TESTING OF EXISTING TRANSFORMER</u>				
8	Budgetary allowance for on site testing of the existing transformer by specialist including quote to refurbish		Item	12 000.00
9	Mark up and attendance on the above item		%	
<u>MV CABLING - 6.35/11 kV</u>				
<u>Supply the following continuous lengths (i.e. no joints) of 6.35/11 kV 95 mm 3 core XLPE cable to SABS Table A, manufactured in South Africa</u>				
10	95mm ² 3 core	m	97	
<u>Extra on last to install</u>				
11	On cable ladder	m	97	
12	95mm ² 3 core 11 kV termination	No	4	
13	95mm ² 3 core Cu straight through 11 kV joint complete	No	2	
14	70mm ² copper PVC insulated earth wire	m	120	
15	70mm ² earth wire termination	No	6	
<u>LV BUSBARS</u>				
<u>The supply and complete installation, testing, commissioning of resin encapsulated 1000 Volts 70 kA, IP54, 3 phase and full neutral Cu busbar with external earth unit</u>				
16	1800 A straight section	m	15	
17	1800 A elbow (over and above cost)	No	4	
18	1800 A panel/transformer flange	No	2	
19	1800 A set of flexibles	No	4	
Carried Forward				R
SECTION NO. 4 : ELECTRICAL INSTALLATION				
Bill No. 5				
MV Installation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>SUPPLY UPGRADE</u>				
20	Budgetary Allowance for council requirements for supply reinstatement		Item	42 000.00
21	Mark up and attendance on the above item		%	
22	Supply and install WW28 chromodeck black writing on yellow background (450mm x 450mm) "UNAUTHORISED ENTRANCE PROHIBITED" with brass wood screws to outside of substation doors	No	4	
23	Supply and install '11 000 VOLTS" danger stickers '(50mm x 100mm) to equipment as indicated by the Engineer on site	No	20	
24	Supply and install 400 VOLT danger sticker Supply and install 400 VOLT danger sticker Engineer on site	No	15	
25	Supply and install noise level danger signs in generator rooms	No	4	
26	Allow for laminating and framing AO drawing for wall mounting in substations	No	4	
27	Budgetary allowance sum for substations mimic panel		Item	6 000.00
28	Supply steel tool cabinet 1 200mm wide x 2 100 high x 600 deep with 4 No. adjustable shelves and two lockable swing doors	No	2	
29	Supply a 900mm high, 1 000 wide x 800 deep painted supawood desk on castors	No	2	
30	Supply 1 200mm x 800mm x 5mm thick rubber mat	No	2	
31	Budgetary allowance for substation temperature and door status monitoring		Item	2 400.00
32	Budgetary allowance for penetration flanges		Item	2 400.00
33	Budgetary allowance for MV cable protection		Item	6 000.00
Carried Forward				R
SECTION NO. 4 : ELECTRICAL INSTALLATION				
Bill No. 5				
MV Installation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>TICO PADS (High density rubber)</u>				
34	Supply 150mm x 1200mm x 12.5mm thick Tico pads installation as an insulator between the equipment and floor as shown on layout drawings (High density rubber)	No	16	
<u>PADLOCKS</u>				
35	Supply and install a painted supawood wooden key cabinet 400 x 400 x 100 deep with 50 hooks and hinged door fixed to brick wall in Main Substation	No	1	
36	Supply 30mm Viro padlock complete with 3 keys with (correctly labelled) keyed alike keys	No	12	
<u>PAINTING</u>				
37	Arrange for builder to touch up substations damaged floor paint once all equipment is installed		Item	
<u>SIGNAGE</u>				
38	Supply and install FB36 5 in 1 chromodeck black writing on yellow background sign (925mm x 925mm) fixed to brick wall in substations		Item	
Carried Forward to Summary of Section No. 4				R
SECTION NO. 4 : ELECTRICAL INSTALLATION				
Bill No. 5				
MV Installation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 6</u>				
	<u>BASEMENT AND ROOF LEVEL (PROVISIONAL)</u> <u>(CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>BASEMENT AND ROOF LEVEL</u>				
	<u>SMALL POWER</u>				
1	25mm PVC conduit surface or chased into brickwork (patching by others)	m	164		
2	Extra on last to install	m	164		
	<u>Supply the following Crabtree outlets complete with cover, clips mounting brackets on power skirting:</u>				
3	1 x Normal S.S.O (SANS 164-1)	No	12		
4	Extra on last to install	No	12		
5	1 x Euro S.S.O (SANS 164-2)	No	12		
6	Extra on last to install	No	12		
7	1 x Dedicated S.S.O (SANS 164-4)	No	10		
8	Extra on last to install	No	10		
9	1 x RJ45 Blank	No	6		
10	Extra on last to install	No	6		
11	16 amp UPS (BLUE) Crabtree S.S.O. complete with cover, clips and mounting brackets on power skirting	No	5		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 6 Basement and Roof Level (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
12	Extra on last to install	No	5	
	<u>PVC insulated 1 000 V grade hard drawn copper wire</u> <u>drawn into trunking and conduit and coloured as required</u>			
13	4mm ²	m	3 911	
14	Extra on last to install	m	3 911	
15	100 x 100 galvanised box flush in dry walling	No	11	
16	Extra on last to install	No	11	
17	16 amp UPS (Blue) S.S.O. in 100 x 100 box including cover plate and electrical connections	No	5	
18	Extra on last to install	No	5	
19	16 amp 3 pin Sans 164 - 1 and Sans 164-2 combination SSO in 100x100 box complete with coverplate	No	25	
20	Extra on last to install	No	25	
	<u>BASEMENT AND ROOF LEVEL</u>			
21	20A single phase surface mounted isolator for AC / roller shutter doors / extraction	No	8	
22	Extra on last to install	No	8	
23	20A single phase flush mounted isolator for hand dryer	No	1	
24	Extra on last to install	No	1	
25	30A single phase flush mounted isolator	No	1	
26	Extra on last to install	No	1	
27	10A three phase weather proof isolator	No	2	
28	Extra on last to install	No	2	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 6			
	Basement and Roof Level (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
29	20A three phase weather proof isolator	No	1	
30	Extra on last to install	No	1	
31	30A three phase weather proof isolator	No	2	
32	Extra on last to install	No	2	
33	800A three phase weather proof isolator for HVAC equipment	No	1	
34	Extra on last to install	No	1	
35	Install 3 compartment 2 cover epoxy powder coated power skirting complete with covers and support brackets every 1 m spacing	m	21	
36	Extra on last to install 90° bends for 3 compartment bends	No	5	
37	Extra on last to install end caps for 3 compartment power skirting	No	5	
	<u>LIGHTING</u>			
38	25mm PVC conduit fixed to soffit and or hangers	m	891	
39	Extra on last to install	m	891	
40	25mm Bosal conduit	m	95	
41	Extra on last to install	m	95	
	<u>PVC insulated 1 000 V grade hard drawn copper wire drawn into trunking and conduit and coloured as required</u>			
42	2.5mm ²	m	4 542	
43	Extra on last to install	m	4 542	
44	2,5mm ² PVC insulated twin and earth cable lay in ceiling	m	212	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 6			
	Basement and Roof Level (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
45	Extra on last to install	m	212	
46	Extra on last for glands, termination and connection	No	60	
47	P9000 trunking suspended from soffit complete with cover	m	114	
48	Extra on last to install	m	114	
49	1 lever 1 way 16 amp light switch Crabtree or other approved in 100 x 50 galvanised box inclusive of cover	No	18	
50	Extra on last to install	No	18	
51	65mm dia. round conduit box	No	74	
52	Extra on last to install	No	74	
53	3 way PVC round draw box	No	23	
54	Extra on last to install	No	23	
55	6 amp unswitched socket outlet	No	81	
56	Extra on last to install	No	81	
57	2 way 1 lever light switch	No	4	
58	Extra on last to install	No	4	
	<u>Extra on last to install the following luminaires</u>			
59	Type A1	No	30	
60	Type A1e	No	11	
61	Type A2	No	4	
62	Type A2e	No	1	
63	Type E1	No	6	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 6			
	Basement and Roof Level (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
64	Type E1e	No	5	
65	Type E2	No	8	
66	Type E2e	No	3	
67	Type F1e	No	4	
68	Type Je	No	4	
69	Type H	No	4	
	<u>TELEPHONE/DATA</u>			
70	Telephone/data cover complete with RJ 45 data socket and grommets in power skirting	No	55	
71	Extra on last to install	No	55	
72	P9000 trunking suspended from soffit complete with cover	m	30	
73	Extra on last to install	m	30	
	<u>FIRE AND SECURITY</u>			
74	25mm PVC conduit fixed on surface to concrete or brickwork	m	342	
75	Extra on last to install	m	342	
76	25mm two entry round conduit box in ceiling void mounted surface to concrete	No	44	
77	Extra on last to install	No	44	
78	P9000 trunking suspended from soffit complete with cover	m	118	
79	Extra on last to install	m	118	
80	25mm flexible conduit	m	30	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 6			
	Basement and Roof Level (Provisional)			
	PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 7</u>				
	<u>TYPICAL FLOORS GROUND TO FIFTH - 6NO. FLOORS (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>TYPICAL FLOORS GROUND TO FIFTH - 6NO. FLOORS</u>				
	<u>SMALL POWER</u>				
1	25mm PVC conduit surface or chased into brickwork (patching by others)	m	1 884		
2	Extra on last to install	m	1 884		
	<u>Supply the following Crabtree outlets complete with cover, clips mounting brackets on power skirting</u>				
3	1 x Normal S.S.O (SANS 164-1)	No	270		
4	Extra on last to install	No	270		
5	1 x Euro S.S.O (SANS 164-2)	No	270		
6	Extra on last to install	No	270		
7	1 x Dedicated S.S.O (SANS 164-4)	No	270		
8	Extra on last to install	No	270		
9	1 x RJ45 Blank	No	270		
10	Extra on last to install	No	270		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 7 Typical Floors Ground to Fifth (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
11	16 amp UPS (BLUE) Crabtree S.S.O. complete with cover, clips and mounting brackets on power skirting	No	48	
12	Extra on last to install	No	48	
	<u>PVC insulated 1 000 V grade hard drawn copper wire drawn into trunking and conduit and coloured as required</u>			
13	4mm ²	m	28 890	
14	Extra on last to install	m	28 890	
15	100 x 100 galvanised box flush in dry walling	No	162	
16	Extra on last to install	No	162	
17	60A three phase weather proof isolator	No	30	
18	Extra on last to install	No	30	
19	30A three phase weather proof isolator	No	12	
20	Extra on last to install	No	12	
21	20A three phase weather proof isolator	No	24	
22	Extra on last to install	No	24	
23	60A single phase surface mounted isolator	No	12	
24	Extra on last to install	No	12	
25	30A single phase surface mounted isolator	No	12	
26	Extra on last to install	No	12	
27	20A single phase surface mounted isolator	No	24	
28	Extra on last to install	No	24	
29	Install 3 compartment 2 cover power skirting complete with covers and support brackets every 1 m spacing	m	1 404	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 7			
	Typical Floors Ground to Fifth (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
30	Extra on last to install 90° bends for 3 compartment power skirting	No	132
31	Extra on last to install end caps for 3 compartment power skirting	No	312
32	Supply corporate connection (Alpha 4) unit comprising of: 2 x end caps 1 x Normal S.S.O (SANS 164-1) 1 x Euro S.S.O (SANS 164-2) 1 x Dedicated S.S.O (SANS 164-4) 2 x Blank RJ45 outlets Input power cable - 3 M SA dedicated connection Input power cable - 3 M SA normal Interconnecting power cable - 3 M - dedicated Interconnecting power cable - 3 M - SA normal	No	144
33	Extra on last to install	No	144
34	20mm Flexible PVC Conduit	m	570
35	Extra on last to install saddled at 250mm under desk top	m	570
36	Supply Crabtree Powercomm 9 way cluster box complete with: 1 x Normal S.S.O (SANS 164-1) 1 x Euro S.S.O (SANS 164-2) 1 x Dedicated S.S.O (SANS 164-4) 2 x Blank RJ45 outlets	No	72
37	Extra on last to install	No	72
38	Supply 9 way flush plastic divider box	No	72
39	Extra on last to install	No	72
40	Supply Cabstrut Access floor conduit box system (205 x 287 x 79) complete with: 1 x Normal S.S.O (SANS 164-1) 1 x Euro S.S.O (SANS 164-2) 1 x Dedicated S.S.O (SANS 164-4) 2 x Blank RJ45 outlets	No	18
Carried Forward			R
SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 7 Typical Floors Ground to Fifth (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
41	Extra on last to install	No	18	
42	16 amp 3 pin Sans 164 - 1 and Sans 164-2 combination SSO in 100 x 100 box complete with cover plate	No	252	
43	Extra on last to install	No	252	
44	250 x 250 PVC junction box	No	12	
45	Extra on last to install	No	12	
46	4m Pole comprising of the following: 2 x Normal S.S.O (SANS 164-1) 2 x Euro S.S.O (SANS 164-2) 2 x Dedicated S.S.O (SANS 164-4) 4 x Blank RJ45 outlets	No	42	
47	Extra on last to install	No	42	
	<u>LIGHTING</u>			
48	25mm PVC conduit fixed to soffit and or hangers	m	5 886	
49	Extra on last to install	m	5 886	
	<u>PVC insulated 1 000 V grade hard drawn copper wire drawn into trunking and conduit and coloured as required</u>			
50	2.5mm ²	m	30 726	
51	Extra on last to install	m	30 726	
52	2.5mm ² PVC insulated twin and earth cable lay in ceiling	m	1 914	
53	Extra on last to install	m	1 914	
54	Extra on last for glands, termination and connection	No	210	
55	P9000 trunking suspended from soffit complete with cover	m	1 506	
56	Extra on last to install	m	1 506	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 7 Typical Floors Ground to Fifth (Provisional) PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
57	1 lever 1 way 16 amp light switch Crabtree or other approved in 100 x 50 galvanised box inclusive of cover	No	228	
58	Extra on last to install	No	228	
59	65mm Dia. round conduit box	No	1 242	
60	Extra on last to install	No	1 242	
61	3 way PVC round draw box	No	246	
62	Extra on last to install	No	246	
63	6 amp unswitched socket outlet	No	1 446	
64	Extra on last to install	No	1 446	
65	2 way 1 lever light switch	No	36	
66	Extra on last to install	No	36	
67	1000 W dimmer	No	12	
68	Extra on last to install	No	12	
69	Occupancy sensor - Provnic Lighting (PS-PIR3) flush mounted, white with 360 degree detection angle	No	132	
70	Extra on last to install	No	132	
	<u>Extra on last to install the following luminaries</u>			
71	Type A1	No	36	
72	Type A1e	No	18	
73	Type B1	No	984	
74	Type B1e	No	126	
75	Type E1	No	168	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 7			
	Typical Floors Ground to Fifth (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
76	Type E1e	No	36	
77	Type E2	No	30	
78	Type E2e	No	6	
79	Type C	No	18	
80	Type D	No	18	
81	Type F1	No	12	
82	Type F1e	No	12	
83	Type G	No	60	
84	Type Je	No	24	
85	Type T1	No	12	
86	Type T2	No	12	
	<u>TELEPHONE/DATA</u>			
87	Telephone/data cover complete with RJ 45 data socket and grommets in power skirting	No	252	
88	Extra on last to install	No	252	
	<u>FIRE AND SECURITY</u>			
89	25mm PVC conduit fixed on surface to concrete or brickwork	m	2 052	
90	Extra on last to install	m	2 052	
91	25mm two entry round conduit box in ceiling void mounted surface to concrete	No	264	
92	Extra on last to install	No	264	
93	25mm flexible conduit	m	180	
	Carried Forward			R
	SECTION NO. 4 : ELECTRICAL INSTALLATION			
	Bill No. 7			
	Typical Floors Ground to Fifth (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
94	Extra on last to install	m	180	
95	65mm round boxes	No	240	
96	Extra on last to install	No	240	
	<u>GENERAL ITEMS</u>			
97	Earthing and bonding		Item	
98	Testing and commissioning inclusive of completing Ibuya Consulting Engineers test sheets, compliance certificate and circuit cards as specified		Item	
Carried Forward to Summary of Section No. 4				R
SECTION NO. 4 : ELECTRICAL INSTALLATION				
Bill No. 7				
Typical Floors Ground to Fifth (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 8</u>				
	<u>EARTHING AND LIGHTNING PROTECTION</u> <u>(PROVISIONAL) (CPAP WORK GROUP NO. 160</u> <u>UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>EARTHING AND LIGHTNING PROTECTION</u>				
	<u>SOIL RESISTIVITY SURVEY</u>				
	Allow to survey the site to establish any prevailing conditions and carry out soil resistivity testing in the locations adjacent to each Sub Station. A detailed report indicating test results and requirements to achieve the necessary earth resistance for each area is to be submitted to the Electrical Engineer				
1	Resistivity Test survey in earth	No	1		
2	Test report indicating electrode requirements etc. to achieve 1 ohm or less	No	1		
	<u>TRENCHING</u>				
	<u>Excavate by hand for cable trench or earth mats including backfill with sifted sand, cable trench 350 mm wide x 600 mm deep x 1 500 mm long</u>				
3	In earth	No	20		
4	In shale	No	1		
5	In hard rock	No	1		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 8 Earthing and Lightning Protection (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>BONDING TO EARTH ELECTRODES</u>			
6	Supply and install 20mm lengths of 95mm ² Green PVC insulated copper conductors fitted into sleeves and trench complete with lugs, ferrules and termination clamps between substation earth bar and earth electrode	No	2
<u>EARTH MATS</u>			
7	Supply and install 1,600mm copper clad Earth Electrodes driven into ground at 1,500mm by 1,500 mm spacing including brass termination clamps and 50mm ² bare copper conductor interlinking to 2 No. earth grid adjacent earth spike to form an earth grid	No	20
<u>EARTH ELECTRODES</u>			
8	Supply and install additional 1,600 mm copper clad earth electrode driven into the ground including the ferrel	No	8
9	Supply and install 450mm long x 50mm high x 6mm thick copper earth bar with test link predrilled with 10mm diameter holes and secured to wall concrete on PVC insulated spacers including all necessary material to form substation earth bar	No	1
<u>TESTING AND CERTIFICATE OF COMPLIANCE</u>			
10	Allow for testing of the complete substation installation to be witnessed by the Electrical Engineer, including the issue of SABS Certificate of Compliance of Earthing Systems, Annexures of recorded test results and "As Built" drawings as specified	No	1
<u>MV RING EARTHS</u>			
<u>The complete supply and installation of 120mm² Cu PVC (Black) earth wire (SANS 1507-3) in continuous lengths as follows</u>			
11	Sub 1 to RMU	m	80
Carried Forward			R
SECTION NO. 4 : ELECTRICAL INSTALLATION			
Bill No. 8			
Earthing and Lightning Protection (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R	
12	Extra on last to terminate	No	2		
13	Extra on last to supply and install 100 mm green heat shrink over end of each earth wire	No	2		
	<u>SUBSTATION EARTHING INSTALLATION</u>				
	<u>Substation bonding and earthing system as per earthing diagram and the specification, including earth wire, terminal connectors up to the main earth bar (As per drawing 17052_607_0)</u>				
14	Substation 1 bonding and earthing (as per drawing 17052_607_0)		Item		
	<u>EARTHING INSTALLATION TESTS</u>				
	The testing and recoding in suitable format of the following;				
	<u>Substation earth resistance test immediately upon completion of the earthing installation before substation equipment is installed</u>				
15	Substation 1		Item		
	<u>Final earth resistance reading with substation equipment installed, but M.V. supply cables/earth disconnected</u>				
16	Substation 1		Item		
	<u>LIGHTNING PROTECTION BY SPECIALIST CONTRACTOR</u>				
17	Undertake survey of existing lightning protection and provide comprehensive report on statue		Item		
18	Budgetary amount for repairs to existing installation		Item		96 000.00
19	Contractor's attendance and mark up		%		
	Carried Forward to Summary of Section No. 4			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION				
	Bill No. 8				
	Earthing and Lightning Protection (Provisional)				
	PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 9</u>				
	<u>LUMINAIRES (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>LUMINAIRES</u>				
	<u>Supply the following luminaires:</u>				
	<u>As per drawing No. 17052 601 A</u>				
1	Type A1	No	84		
2	Type A1e	No	38		
3	Type A2	No	12		
4	Type A2e	No	8		
5	Type B1	No	982		
6	Type B1e	No	131		
7	Type C	No	27		
8	Type D	No	14		
9	Type E1	No	184		
10	Type E1e	No	48		
11	Type E2	No	51		
12	Type E2e	No	14		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION				
	Bill No. 9				
	Luminaires (Provisional)				
	PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
13	Type F1	No	18	
14	Type F1e	No	16	
15	Type G	No	81	
16	Type H	No	8	
17	Type Je	No	28	
18	Type T1	No	12	
19	Type T2	No	12	
Carried Forward to Summary of Section No. 4				R
SECTION NO. 4 : ELECTRICAL INSTALLATION				
Bill No. 9				
Luminaires (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 10</u>				
	<u>DISTRIBUTION BOARDS (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>DISTRIBUTION BOARDS</u>				
	<u>Supply / deliver the following distribution boards:</u>				
1	Main LV Panel as per single line diagram drawing No. 17052_401_A	No	1		
2	Install and connect the above DB	No	1		
3	Basement DB-B1E as per single line diagram drawing No. 17052_402_A	No	1		
4	Install and connect the above DB	No	1		
5	Office DB-G1/G1E as per single line diagram drawing No. 17052_403_A	No	1		
6	Install and connect the above DB	No	1		
7	Office UPS DB - UPS-G1 and UPS-02 as per single line diagram drawing No. 17052_404_A	No	1		
8	Install and connect the above DB	No	1		
9	Main UPS Panel - UPS-DB as per single line diagram drawing No. 17052_405_A	No	1		
10	Install and connect the above DB	No	1		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 10 Distribution Boards (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
11	Roof DB as per single line diagram drawing No. 17052_406_A	No	1	
12	Install and connect the above DB	No	1	
13	Basement DB - AC as per single line diagram drawing No. 17052_407_0	No	1	
14	Install and connect the above DB	No	1	
15	Typical Office UPS as per single line diagram drawing No. 17052_408_0	No	4	
16	Install and connect the above DB	No	4	
17	Office DB - DB-01/01E as per single line diagram drawing No. 17052_409_0	No	1	
18	Install and connect the above DB	No	1	
19	Office DB - DB-02/02E as per single line diagram drawing No. 17052_410_0	No	1	
20	Install and connect the above DB	No	1	
21	Office DB - DB-03/03E as per single line diagram drawing No. 17052_411_0	No	1	
22	Install and connect the above DB	No	1	
23	Office DB - DB-04/04E as per single line diagram drawing No. 17052_412_0	No	1	
24	Install and connect the above DB	No	1	
25	Office DB - DB-05/05E as per single line diagram drawing No. 17052_413_0	No	1	
26	Install and connect the above DB	No	1	
Carried Forward to Summary of Section No. 4				R
SECTION NO. 4 : ELECTRICAL INSTALLATION				
Bill No. 10				
Distribution Boards (Provisional)				
PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 13</u>				
	<u>EXISTING INSTALLATION (PROVISIONAL)</u> <u>(CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>EXISTING INSTALLATION</u>				
	<u>TYPICAL FLOOR</u>				
	<u>Disconnect, make safe and remove the following equipment from site (Not undertaken by main contractor)</u>				
1	2 x 58 Watt surface mounted light fitting	No	140		
2	2 x 28 Watt recess mounted light fitting	No	500		
3	Bulkhead light fitting	No	10		
4	2 x 58 Watt open tube light fitting	No	4		
5	Allow to disconnect, make safe and remove existing distribution board	No	1		
6	Allow to remove surface mounted conduit	m	262		
7	Allow to remove wiring	m	8 000		
8	Allow to remove surface mounted switch socket outlets	No	20		
9	Allow to remove recess mounted switch socket outlets and install blank cover plates	No	20		
10	Allow to remove light switches outlets and install cover plates	No	20		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION Bill No. 13 Existing Installation (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
11	Allow to remove power skirting	m	30	
12	Allow to remove 25mm conduit	m	250	
13	Allow to remove telephone conduiting	m	250	
14	Allow to remove telephone jack point and install cover plate	No	60	
15	Allow to strip out telephone and IT cabling after consultation with client	m	3 000	
Carried Forward to Summary of Section No. 4				R
SECTION NO. 4 : ELECTRICAL INSTALLATION				
Bill No. 13				
Existing Installation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 4</u>				
	<u>BILL NO. 14</u>				
	<u>STANDBY GENERATOR (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>STANDBY GENERATOR</u>				
	<u>The complete supply, transport to site, install, test and commission</u>				
1	Standby generator as per drawing no. 17052_603_A	No	1		
2	Connection of all generator control and protection, AMF and communication information wired to terminals within the Main LV Panel for changeover requirements		Item		
3	The complete supply and installation of Generator Earthing as specified, including testing and commissioning the entire earthing installation as per I.E.C. standards, including re- testing as may be required after making good, and typed test certificates,		Item		
4	Ear muffs	No	5		
5	Allowance to fill/re-fill diesel tanks after testing - Low sulphur diesel to manufacturers specification.	ltr	2 000		
6	Provisional Sum for Allowance for additional Diesel Tank		Item		96 000.00
7	4 No. generator services to be conducted at 6, 12, 18 and 24 months from hand over.		Item		
8	Disconnect and remove from site and deliver within 50 km of Site the existing 150 kVA standby generator	No	1		
	Carried Forward			R	
	SECTION NO. 4 : ELECTRICAL INSTALLATION				
	Bill No. 14				
	Standby Generator (Provisional)				
	PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
9	Credit / scrap value for the existing standby generator (rate only)	Item		
10	Budgetary allowance for special rigging if required	Item		36 000.00
Carried Forward to Summary of Section No. 4				R
SECTION NO. 4 : ELECTRICAL INSTALLATION				
Bill No. 14				
Standby Generator (Provisional)				
PREPARED BY: DBSA				

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-B.O.Q-173

Brought Forward			R	
<p>The quantities given in the Bill for cable, cable markers, earth wire laid with cable, overhead conductors, overhead earth wire and excavations cannot be regarded as exact and are subject to measurement on site after completion of the service and adjustments will be made according to the unit rates given in the Bill.</p> <p>The Bill of Quantities is to be used for pricing and financial purposes only. The drawings take precedence over the particular (project) specification but should be used in conjunction with these specifications. The project specification takes precedence over quality specifications and the Bill of Quantities.</p> <p>Checking of Cable and Overhead Conductor Lengths. Notwithstanding the fact that lengths of cables and overhead conductors, as given in the Bill of Quantities, have been measured from scaled drawings, the Contractor shall check such lengths on site before ordering the cable as he will not be paid for excess cable after the completion of the service. Any allowance for off-cuts shall be made in the unit rates. The final measurements shall be based on the nett route length of the cables and overhead lines concerned, installed in accordance with the specification. However, the onus is on the Contractor to prove compliance with the specification.</p> <p>The unit prices quoted in the Bill of Quantities shall include for such small materials as are required for the complete installation in accordance with the specification.</p> <p>Bill No. 1 is to be regarded as fixed and will not be adjusted for variations in the final contract value or contract period.</p>				
Carried Forward			R	
<p>SECTION NO. 5 : ELECTRONIC INSTALLATION</p> <p>Bill No. 1</p> <p>Preliminaries (Provisional)</p> <p>PREPARED BY: DBSA</p>				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R	
<p>NOTE:</p> <p>Tenderers may not include the costs of the items of Bill No. 1 in the unit rates for items in the remainder of the Bill of Quantities. Bill No. 1 is to be completed as indicated.</p> <p>Failure to comply will result in the Engineer arbitrarily adjusting rates to exclude Preliminary and General costs.</p> <p>Unit prices for the same items in different Bills shall in all cases be the same, and in the case of differences, the Engineer reserves the right to change such unit prices when the completed list is checked, without adjusting the tender price.</p> <p>The total for each page of each Bill is to be carried forward to the collection page at the end of each Bill.</p> <p>P.C., Provisional and Contingency allowances, items and sums shall be expended as directed by the Engineer, and any balance remaining shall be deducted from the amount of the contract sum. Tenderers may not regard any unspent moneys as forming part of the final contract value.</p> <p>Variation Instruction No. 1 will be issued after award of the contract to omit all P.C., Provisional and Contingency sums/allowances from the contract and authorized contract value.</p> <p>Variation work, as well as the items described above, shall be measured as executed, and paid for according to unit prices in the Bill of Quantities. Where unit prices are not available, the work shall be priced, in conjunction with the Engineer, at current rates.</p>				
Carried Forward			R	
<p>SECTION NO. 5 : ELECTRONIC INSTALLATION</p> <p>Bill No. 1</p> <p>Preliminaries (Provisional)</p> <p>PREPARED BY: DBSA</p>				

Brought Forward			R	
<p>Unless otherwise specified in the Bill of Quantities, all items are to be priced on the basis of supply, delivery, offload, installation, connection, testing and commissioning.</p> <p>All prices are to be EXCLUSIVE OF V.A.T but inclusive of import duties, surcharges, commissions to third parties, etc., where applicable. The foregoing items, as well as the Contractor's handling, financing and profit mark-up, is not to be separately detailed, and must be included in the cost rates.</p> <p>Unless otherwise stated, all measurements are net, in accordance with the drawings, and no allowance has been made for wastage.</p> <p>The Employer reserves the right to increase or decrease the extent of the contract works, without restraint, on total value of variations issued relevant to any particular item in the Bill of Quantities, by issuing written variation instructions to omit or add, as may be required, the supply and/or installation of any item of equipment or work, whether listed in the Bill of Quantities or not, and without affecting the unit cost rates indicated in the Bill of Quantities or Preliminary and General items.</p> <p>In the event that tenderers disagree with the measured quantities the tender should be qualified accordingly, listing the items and quantities in question.</p> <p>The unit prices quoted in the Bill of Quantities must include for small installation materials such as nuts, bolts, nails, saddles, screws etc., as are required for the satisfactory complete installation in accordance with the specification.</p>				
Carried Forward			R	
<p>SECTION NO. 5 : ELECTRONIC INSTALLATION</p> <p>Bill No. 1</p> <p>Preliminaries (Provisional)</p> <p>PREPARED BY: DBSA</p>				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R	
<p>Unless otherwise stated in the Bill, the unit cost rates shall be based on the following:</p> <p>The rate for conduit boxes and for outlet boxes up to and including 100 x 100mm shall be the same regardless of the number of entries.</p> <p>The rate for conduit and outlet boxes shall include for fixing to the conduit with lock and bushnuts as may be required and for fixing to the building structure.</p> <p>The rate for outlet boxes shall be without covers and draw boxes shall be complete with covers and screws.</p> <p>The rate for industrial switch and plug units shall include for the relevant enclosure and fixing to conduit and building structure.</p> <p>The rate for light switches, switch plugs, dimmer units, etc., shall include for screws, cover plates and fuses/breakers where applicable and for connection of wiring thereto.</p> <p>The rate for conduit up to and including 25 mm diameter shall include all couplings, bends, boxes etc. as may be required.</p> <p>The rate for luminaires and accessories shall include for connection of the wiring thereto.</p> <p>All measurements are based on the most economical route lengths without any allowance for wastage, threading, jointing or slack.</p> <p>In the case of wiring in conduit, an allowance of 300mm per wire outlet box position has been made and in the case of cables and wiring entering switchboards, an allowance of 1000 and 2000mm has been made for termination purposes in sub-distribution and main distribution boards respectively.</p>				
<p style="text-align: right;">Carried Forward</p> <p>SECTION NO. 5 : ELECTRONIC INSTALLATION Bill No. 1 Preliminaries (Provisional) PREPARED BY: DBSA</p>			R	

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<p>It should be noted that, notwithstanding anything to the contrary, any items completed or listed in the Bill of Quantities by the Tenderer will not be taken into account, will not be subject to re-measurement, and will not be regarded as a Bill of Quantities item.</p> <p>Where equipment is specified by name, the tenderer must price on this basis. Alternatives may be offered by tenderers but the use of which is subject to written approval by the Engineer.</p> <p><u>PRELIMINARIES</u></p> <p><u>The costs for the following items shall not be included in the cost rates for work listed in the rest of the Bill of Quantities.</u></p>				
1	Cost for compliance with Main Contractor's preliminary and general items not covered below.	Item		
2	Contractual requirements as specified, i.e guarantees, insurance, sureties, company's overheads administration etc.	Item		
3	Contract engineer, administration, supervision, programming and management.	Item		
4	Establish site accommodation, storage etc.	Item		
5	Maintain and operate site establishment.	Item		
6	Remove site establishment on completion and remove all rubbish, dirt, off-cuts, etc, and leave site in condition as found. Allow to touch up paintwork if required.	Item		
7	Tools, equipment, plant hire and testing equip/meters as necessary.	Item		
8	Maintenance and guarantee of the complete installation including fitting, material and workmanship for a period of twelve months from date of practical completion as specified.	Item		
Carried Forward				R
SECTION NO. 5 : ELECTRONIC INSTALLATION Bill No. 1 Preliminaries (Provisional) PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 5</u>				
	<u>BILL NO. 2</u>				
	<u>GENERAL (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>GENERAL</u>				
1	System programming during 12 month guarantee period - for technician / programmer (ie. Post practical completion)	Hrs	40.00		
2	Client Training during 12 month guarantee period - for technician / programmer (ie. Post practical completion)	Hrs	10.00		
3	Allowance to provide samples for Engineers / Architects /client approval		Item		
4	Allowance for liason with various sub-contractors in regard to final installation requirements, equipment connection etc.		Item		
5	Supervise / Liaise with builder during construction of cores, recesses and penetrations in concrete and brickwork to ensure they are formed in the correct positions		Item		
6	General labeling of equipment and cables not covered elsewhere		Item		
7	Allow for after hours (outside trading hours) work as required		Item		
	Carried Forward			R	
	SECTION NO. 5 : ELECTRONIC INSTALLATION Bill No. 2 General (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>TESTING & COMMISSIONING</u>			
8	Testing, commissioning and documentation of complete installation.	Item	
9	Test complete installation in conjunction with the other services, viz., Electrical, air-conditioning security system, fire protection, domestic water pumps, lifts smoke extract fans etc. as specified	Item	
<u>HANDOVER</u>			
10	Provide As Built drawings, Operation and Maintenance Manuals and wiring diagrams (3 sets hardcopy, 1 electronic)	Item	
<u>BUDGETARY ALLOWANCE</u>			
11	Budgetary allowance for X-RAY machines and metal detectors	Item	1 920 000.00
<u>EXISTING INSTALLATIONS</u>			
12	Strip out existing smoke detection and PA installation	Item	
Carried Forward to Summary of Section No. 5			R
SECTION NO. 5 : ELECTRONIC INSTALLATION			
Bill No. 2			
General (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 5</u>				
	<u>BILL NO. 3</u>				
	<u>SMOKE DETECTION AND ALARM</u> <u>(PROVISIONAL) (CPAP WORK GROUP NO. 160</u> <u>UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>SMOKE DETECTION AND ALARM</u>				
	<u>Supply, install, test and commission smoke detection and fire alarm system complete with all hardware, software, terminations, fixings etc.</u>				
	<u>Ziton zp2 or equal approved smoke detection system</u>				
	<u>CENTRAL EQUIPMENT</u>				
1	Addressable analogue fire panel complete with batteries (4 - loop)	No	2		
2	Additional Proprietary Comms Network cards for above panels	No	2		
3	Additional Internet Protocol (RJ45) communication cards for above panels	No	1		
4	Programming of fire panels as specified including graphics, to include all devices, zoning, loops and fire condition sequencing, based on 700 devices		Item		
5	Allowance to upload Autocad (dwg) drawings as backgrounds for the graphic displays. This includes "cleaning up" of the drawings	No	10		
	Carried Forward			R	
	SECTION NO. 5 : ELECTRONIC INSTALLATION Bill No. 3 Smoke Detection and Alarm (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>FIELD EQUIPMENT</u>			
6	Addressable optical detector complete with base on ceiling (white)	No 270	
7	Addressable optical detector complete with base in ceiling void (white)	No 170	
8	Addressable heat detector complete with base on concrete soffit below 4 m (white)	No 45	
9	Addressable rate of rise heat detector complete with base mounted under raised floor	No 5	
10	Addressable combination smoke and thermal detector complete with base on ceiling (white)	No 2	
11	Addressable pre-set heat detector complete with base on ceiling	No 2	
12	Addressable line isolator	No 30	
13	Addressable line I/O relay complete in junction box	No 91	
14	Allowance to connect line relays to override access control mag locks on escape doors, air handling units, elevators, smoke extraction fans etc.	No 91	
15	Addressable surface mounted call point with resettable element (red)	No 36	
16	Addressable sounder base complete with cap ceiling (white)	No 20	
17	Addressable sounder with visual indicator complete with base on ceiling (white/red)	No 20	
18	Addressable sounder with visual indicator complete with base on concrete soffit (white/red)	No 1	
Carried Forward			R
SECTION NO. 5 : ELECTRONIC INSTALLATION			
Bill No. 3			
Smoke Detection and Alarm (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R	
19	Door hold-open surface mount magnet complete with stainless steel wall mount universable adjustable brackets and emergency release button and door anchor plate (400 N)	No	4		
20	24 V AC/DC 250 mA power supply unit connected to main and door magnet located in ceiling void	No	4		
21	Addressable beam detector mounted at 12 000 m AFFL complete with reflector	No	1		
22	Beam detector/reflector bracket made of 300 mm long and 50 mm wide and 8 mm thick 304 stainless steel bar sheeting rails by means of clamps	No	1		
23	Budgetary allowance for stainless steel conduit box cover plates as per Architect's detail		Item		60 000.00
<u>FIRE INTERCOM SYSTEM (SUPPLY AND INSTALL)</u>					
24	Master Station installed at reception	No	1		
25	2 hours fire rated phones installed in refuge area	No	12		
<u>CABLING</u>					
26	Loop cable 1.5 mm ² 2 core fire resistant (red) cable (PH 120)	m	150		
27	Terminate the above cable	No	20		
28	Loop cable 2.5 mm ² 2 core fire resistant cable (PH 120)	m	4 500		
29	Terminate the above cable	No	200		
30	Networking cable (fire resistant) Master Controller to sub controllers and remote display panels (PH 120)	m	250		
31	Terminate the above cable	No	5		
32	Connectors, adapters, power sockets, cables, consumables and other material to complete the installation as required.		Item		
Carried Forward				R	
SECTION NO. 5 : ELECTRONIC INSTALLATION					
Bill No. 3					
Smoke Detection and Alarm (Provisional)					
PREPARED BY: DBSA					

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 5</u>				
	<u>BILL NO. 4</u>				
	<u>PUBLIC ADDRESS AND VOICE EVACUATION (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>PUBLIC ADDRESS AND VOICE EVACUATION</u>				
	<u>Supply, install, test and commission Bosch Paviro (or equal and approved) public address and voice evacuation system complete with connectors, adapters, fixings, power sockets, cables, consumables and all material to complete the installation as required.</u>				
	<u>Control Room equipment, complete with power supplies and mounting equipment</u>				
1	PVA-4CR12 controller (12 zone)	No	1		
2	PVA-2P500 power amplifier (500W)	No	3		
3	PVA-4R24 Router (24 zone)	No	2		
4	PVA-15CST call station	No	2		
5	PLN-24CH12 power management / battery charger	No	1		
6	Batteries for complete system above		Item		
	<u>Loudspeakers, complete with fixings for ceiling, soffit/structure or wall mounting, and terminations.</u>				
7	LC3-UC06E Ceiling Loudspeaker (6W).	No	85		
8	LC3-CBB back box for above	No	85		
9	LC3-UC06E Box Loudspeaker (6W).	No	10		
	Carried Forward			R	
	SECTION NO. 5 : ELECTRONIC INSTALLATION Bill No. 4 Public Address and Voice Evacuation (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
10	LH1-10M10E Horn Loudspeaker (10W).	No	10	
11	Tuner BGM source - PLE-SDT	No	1	
12	Call station extension	No	1	
	<u>Supply and installation of cable (red) on cable basket in ceiling void or drawn into conduit as specified, including all lables and terminations at both ends.</u>			
13	PH120 2 core, 2.5mm ² stranded fire rated cable (red)	m	3 815	
14	Connectors, adapters, power sockets, cables, consumables and other material to complete the installation as required.		Item	
15	Configure and document the complete system.		Item	
16	2 way intercom system from Control room to Securty room at parking entrance including 100m of wiring (Wireway by others)		Item	
Carried Forward to Summary of Section No. 5				R
SECTION NO. 5 : ELECTRONIC INSTALLATION				
Bill No. 4				
Public Address and Voice Evacuation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 5</u>				
	<u>BILL NO. 5</u>				
	<u>CCTV (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>CCTV</u>				
	<u>Supply, install, test and commission cctv system (HIK Vision or equal and approved) complete with all hardware, software, connectors, adapters, fixings, power supplier, cables, consumables and all materials to complete the installation:</u>				
1	Network Video Recorder (128 channel) - DS-96128NI-I24	No	1		
2	8TB SATA 6Gb/s hard drive - WD4NPURX	No	8		
3	Video Management System Software and licences for 128 cameras	No	1		
4	Video and audio decoder for up to 4 monitors - 6904UDI	No	1		
5	46" control room monitor suitable for 24 hour, 7 days a week operation complete with universal wall brackets	No	4		
6	Desktop PC with i7 processor, 16GB RAM, 1TB SSD storage, 4TB SATA storage, GTX 1070 graphics card, 24" monitor, wireless mouse and keyboard, complete with Windows 10 ect	No	2		
7	CAT 6 - HDMI to RJ45 and R45 to HDMI network extender converter	No	10		
	<u>Cameras complete with all mounting equipment etc.</u>				
8	Camera Type A - 4 MP PTZ - DS-2DE5225IW-AE	No	7		
	Carried Forward			R	
	SECTION NO. 5 : ELECTRONIC INSTALLATION Bill No. 5 CCTV (Provisional) PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 5</u>				
	<u>BILL NO. 6</u>				
	<u>IT NETWORK (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>IT NETWORK</u>				
	<u>Supply, install, test and commission CCTV IT Network complete with all hardware, software, connectors, adapters, fixings, power supplies, cables, consumables and all material to complete the installation as intended</u>				
1	19 inch 42 U Cabinet - 1000mm deep - painted mild steel floor standing cabinet with glass front door, steel rear door, rear ventilation, adjustable feet, bottom and top cable entry, fixed shelf, 12 No. 1U blanking panels, 9 No. 1U brush panels, 2 No. 10 way power adaptors, 2 No. vertical cable management trays, fan tray 'with 4 fans, ground bonding kit and door locks.	No	6		
2	Cisco Catalyst 9300 24 Port 10/100/1000 POE Switch, 2 x SFP Gbps uplink ports. 56GBps	No	1		
3	24 Way modular (populated) UTP Cat 6 patch panel. Complete with mimic labels	No	6		
4	Universal 1U filler panels	No	20		
5	Universal 1U short base brush panel	No	15		
6	Krone Cat 6 UTP cable (Blue) jumpers up to 2m, complete with terminations both ends (RJ45 - RJ45)	No	220		
7	Fibre splice panel sliding tray (empty)	No	16		
	Carried Forward			R	
	SECTION NO. 5 : ELECTRONIC INSTALLATION Bill No. 6 IT Network (Provisional) PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 5</u>				
	<u>BILL NO. 7</u>				
	<u>ACCESS CONTROL (PROVISIONAL) (CPAP WORK GROUP NO. 160 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>ACCESS CONTROL</u>				
	<u>Supply, install, test and commission Impro Access Portal Pro (or equal and approved) access control and intercom system complete with connectors, adapters, fixings, power sockets, cables, consumables and all material to complete required</u>				
	<u>Control room equipment complete with all power supplies and mounting equipment</u>				
1	Programming and enrolment station, PC (I7 processor, 8 Gb RAM 500 Gb SSD storage, Windows 10, Office and Acrobat) with 21" monitor, mouse, keyboard etc.	No	1		
2	Setup and program access control software for 500 users and 57 No. doors (Impro Portal Pro Software)		Item		
	<u>Door / cluster controller complete with all mounting equipment to be located in the IT Riser , inclusive of junction boxes</u>				
3	Cluster Controller with 4 No. Wiegand reader modules connected on the cluster bus, complete with battery backup power supply	No	15		
4	Cluster Controller with 2 No. Wiegand reader modules connected on the cluster bus, complete with battery backup power supply	No	10		
5	Wiegand reader module for use in IPS housing	No	15		
	Carried Forward			R	
	SECTION NO. 5 : ELECTRONIC INSTALLATION				
	Bill No. 7				
	Access Control (Provisional)				
	PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R	
6	IDEMIA Vision Pass Facial Recognition Reader	No	73		
7	600kg surface mounted monitored maglock with LED	No	59		
8	ZL bracket for maglock	No	59		
9	No touch exit sensor	No	34		
10	Green breakglass unit (re-settable), connected to mag lock	No	59		
	<u>Supply and installation of cable and wiring on cable basket in ceiling void or drawn into conduit as specified, including all labels and terminations at both ends</u>				
11	Krone Category 6 UTP - green in colour	m	3 554		
12	Krone termination of UTP Cat 6	No	150		
13	8 Twisted pair PVC insulated mylar cable. 0.22mm ² stranded tinned copper cores. Aluminium polyester shield and drain	m	2 994		
14	Termination of above cable	No	150		
15	2 Core PVC insulated cable. 1mm ² stranded copper cores	m	504		
16	Termination of above cable	No	45		
17	24V power supply complete complete with 2 hour battery back up	No	59		
18	Budgetary allowance for time and attendance software and setup		Item		220 000.00
19	Budgery allowance for custom mounting brackets at turnstiles		Item		60 000.00
	Carried Forward to Summary of Section No. 5			R	
	SECTION NO. 5 : ELECTRONIC INSTALLATION				
	Bill No. 7				
	Access Control (Provisional)				
	PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 6</u>				
	<u>BILL NO. 1</u>				
	<u>PRELIMINARIES (CPAP WORK GROUP NO. 190 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>PRELIMINARIES</u>				
	The costs for the following items shall not be included in the cost rates for work listed in the rest of the Bill of Quantities.				
1	Contractual requirements as specified, i.e. guarantees, insurance, sureties, company's overheads administration etc		Item		
2	Contract engineer, administration, supervision, programming and management		Item		
3	Establish site accommodation, storage etc		Item		
4	Maintain and operate site establishment		Item		
5	Remove site establishment on completion and remove all rubbish, foundations, concrete bases, dirt oil spillage, etc., and leave site in condition as found		Item		
6	Tools, equipment, plant hire and testing gear/meters as necessary		Item		
7	Maintenance and guarantee of the complete installation for a period of twelve months from date of completion and handover		Item		
8	Certificate to be issued on completion of the project in addition to detailed testing as specified - electrical compliances etc		Item		
	Carried Forward			R	
	SECTION NO. 6 : MECHANICAL INSTALLATION Bill No. 1 Preliminaries (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward		R	
9	Shop drawings	Item		
10	4 Sets of as-built drawings and manuals	Item		
11	Compliance with the OHS Act	Item		
12	Craneage and rigging equipment to put ac plant in place - including roof	Item		
13	Budgetary Allowance	Item		420 000.00
14	Removal of all ducting, diffusers and controls on all levels		SUM	
15	Removal of all AC Equipment and piping on all floors including roof		SUM	
16	Other items not included in the foregoing and required by the Contractor are to be listed and priced below	Item		
Carried Forward to Summary of Section No. 6			R	
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 1				
Preliminaries (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 6</u>				
	<u>BILL NO. 2</u>				
	<u>AIR CONDITIONING AND VENTILATION INSTALLATION (PROVISIONAL) (CPAP WORK GROUP NO. 170 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>AIR CONDITIONING AND VENTILATION INSTALLATION</u>				
	<u>CHILLED WATER PIPING</u>				
	<u>Piping including all valves & fittings etc. as per specification. Connections to units including control valves, valves fittings, etc.</u>				
1	ø200 Pipe	m	44.00		
2	ø200 Flanges (blank)	No	4		
3	ø200 Flanges	No	20		
4	ø200 Equal Tees	No	11		
5	ø200 90deg Elbows	No	14		
6	ø200 - ø100 Reducers	No	2		
7	ø200 - ø125 Reducers	No	10		
8	ø125 Pipe	m	115		
9	ø125 Flanges	No	40		
10	ø125 Equal Tees	No	8		
	Carried Forward			R	
	SECTION NO. 6 : MECHANICAL INSTALLATION Bill No. 2 Air Conditioning and Ventilation (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
11	ø125 90deg Elbows	No	22	
12	ø125 - ø100 Reducers	No	4	
13	ø100 Pipe	m	48	
14	ø100 Flanges	No	8	
15	ø100 90deg Elbows	No	2	
16	ø100 - ø80 Reducers	No	4	
17	ø80 Piping	m	36	
18	ø80 Equal Tees	No	4	
19	ø80 90deg Elbows	No	8	
20	ø80 - ø65 Reducers	No	8	
21	ø65 Piping	m	170	
22	ø65 90deg Elbows	No	90	
23	ø200 Butterfly Shut-off Valves	No	4	
24	ø200 Strainers with ø 32 drain	No	1	
25	ø200 Flexible Coupling	No	2	
26	ø125 Butterfly Shut-off Valves	No	6	
27	ø125 Non- Return Valves	No	3	
28	ø125 Strainers with ø 32 drain	No	3	
29	ø125 Flexible Coupling	No	6	
30	ø100 Flow Control Meter	No	1	
31	ø100 Butterfly Shut-off Valves	No	2	
	Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 2				
Air Conditioning and Ventilation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
32	ø80 Shut-off Valves	No	2	
33	ø65 Shut-off Valves	No	20	
34	ø20 Drain Valves	No	24	
35	ø15 BMS Test Point	No	1	
36	ø10 Binder Test Point	No	54	
37	Pressure Gauge with shut off valve	No	6	
38	ø40 Galv Drain Piping	No	4	
39	Flowcon Valve _ 4,75 l/s	No	1	
40	Flowcon Valve _ 3,45 l/s	No	10	
41	Two Way Control Valve _ 4,75 l/s	No	1	
42	Two Way Control Valve _ 3,45 l/s	No	10	
43	Feed and Expansion Tank c/w Shut-off valves		Item	
44	Buffer Tank - Complete	No	1	
	<u>CHILLED WATER PIPE INSULATION as per specification</u>			
45	ø200 Pipe	m	44	
46	ø200 Flanges (blank)	No	4	
47	ø200 Flanges	No	20	
48	ø200 Equal Tees	No	11	
49	ø200 90deg Elbows	No	12	
50	ø200 - ø100 Reducers	No	2	
51	ø200 - ø125 Reducers	No	10	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
52	ø125 Pipe	m	115	
53	ø125 Flanges	No	40	
54	ø125 Equal Tees	No	8	
55	ø125 90deg Elbows	No	22	
56	ø125 - ø100 Reducers	No	4	
57	ø100 Pipe	m	48	
58	ø100 Flanges	No	8	
59	ø100 90deg Elbows	No	2	
60	ø100 - ø80 Reducers	No	4	
61	ø80 Piping	m	36	
62	ø80 Equal Tees	No	4	
63	ø80 90deg Elbows	No	8	
64	ø80 - ø65 Reducers	No	8	
65	ø65 Piping	m	170	
66	ø65 90deg Elbows	No	90	
67	ø200 Butterfly Shut-off Valves	No	4	
68	ø200 Strainers with ø 32 drain	No	1	
69	ø200 Flexible Coupling	No	2	
70	ø125 Butterfly Shut-off Valves	No	6	
71	ø125 Non- Return Valves	No	3	
72	ø125 Strainers with ø 32 drain	No	3	
	Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 2				
Air Conditioning and Ventilation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
73	ø125 Flexible Coupling	No	6	
74	ø100 Flow Control Meter	No	1	
75	ø100 Butterfly Shut-off Valves	No	2	
76	ø80 Shut-off Valves	No	2	
77	ø65 Shut-off Valves	No	20	
78	ø20 Drain Valves	m	24	
79	ø15 BMS Test Point	No	1	
80	ø10 Binder Test Point	No	54	
81	Pressure Gauge with shut off valve	No	6	
82	Flowcon Valve _ 4,75 l/s	No	1	
83	Flowcon Valve _ 3,45 l/s	No	10	
84	Two Way Control Valve _ 4,75 l/s	No	1	
85	Two Way Control Valve _ 3,45 l/s	No	10	
86	Buffer Tank	No	1	
<u>HOT WATER PIPING</u>				
<u>Piping excluding all valves & fittings etc. as per specification. Connections to Units including control valves, valves fittings, etc.</u>				
87	ø150 Pipe	m	44	
88	ø150 90deg Elbows	No	14	
89	ø150 Equal Tees	No	10	
90	ø150 Flanges	No	20	
Carried Forward				R
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 2				
Air Conditioning and Ventilation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
91	ø150 Flanges (blank)	No	2	
92	ø150 - ø125 Reducers	No	8	
93	ø150 - ø100 Reducers	No	4	
94	ø125 Pipe	m	74	
95	ø125 90deg Elbows	No	10	
96	ø125 Flanges	No	44	
97	ø125 - ø100 Reducers	No	2	
98	ø100 Pipe	m	72	
99	ø100 90deg Elbows	No	12	
100	ø100 Equal Tees	No	8	
101	ø100 - ø80 Reducers	No	4	
102	ø80 Piping	m	36	
103	ø80 - ø65 Reducers	No	2	
104	ø80 - ø50 Reducers	No	2	
105	ø65 Piping	No	24	
106	ø65 90deg Elbows	m	8	
107	ø50 Piping	No	160	
108	ø50 90deg Elbows	No	86	
109	ø150 Butterfly Shut-off Valves	No	4	
110	ø150 Strainers with ø 32 drain	No	1	
111	ø150 Flexible Coupling	No	2	
Carried Forward				R
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 2				
Air Conditioning and Ventilation (Provisional)				
PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
<u>HOT WATER PIPE INSULATION as per specification</u>				
132	ø150 Pipe	m	44	
133	ø150 90deg Elbows	No	14	
134	ø150 Equal Tees	No	10	
135	ø150 Flanges	No	20	
136	ø150 Flanges (blank)	No	2	
137	ø150 - ø125 Reducers	No	8	
138	ø150 - ø100 Reducers	No	4	
139	ø125 Pipe	m	74	
140	ø125 90deg Elbows	No	10	
141	ø125 Flanges	No	44	
142	ø125 - ø100 Reducers	No	2	
143	ø100 Pipe	m	72	
144	ø100 90deg Elbows	No	12	
145	ø100 Equal Tees	No	8	
146	ø100 - ø80 Reducers	No	4	
147	ø80 Piping	m	36	
148	ø80 - ø65 Reducers	No	2	
149	ø80 - ø50 Reducers	No	2	
150	ø65 Piping	No	24	
151	ø65 90deg Elbows	m	8	
Carried Forward				R
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 2				
Air Conditioning and Ventilation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
152	ø50 Piping	No	160	
153	ø50 90deg Elbows	No	86	
154	ø150 Butterfly Shut-off Valves	No	4	
155	ø150 Strainers with ø 32 drain	No	1	
156	ø150 Flexible Coupling	No	2	
157	ø125 Butterfly Shut-off Valves	No	6	
158	ø125 Non- Return Valves	No	3	
159	ø125 Strainers with ø 32 drain	No	3	
160	ø125 Flexible Coupling	No	6	
161	ø100 Flow Control Meter	No	1	
162	ø100 Butterfly Shut-off Valves	No	2	
163	ø65 Shut-off Valves	No	2	
164	ø50 Shut-off Valves	No	20	
165	ø20 Drain Valves	No	24	
166	ø15 BMS Test Point	No	1	
167	ø10 Binder Test Point	No	52	
168	Pressure Gauge with shut off valve	No	6	
169	Flowcon Valve _ 3,86 l/s	No	1	
170	Flowcon Valve _ 2,89 l/s	No	10	
171	Two Way Control Valve _ 3.86 l/s	No	1	
172	Two Way Control Valve _ 2,89 l/s	No	10	
	Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 2				
Air Conditioning and Ventilation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward				R
173	Buffer Tank - complete		Item	
	<u>CHILLED AND HEATING WATER GENERATION PLANT</u>			
	<u>CHILLERS</u>			
	<u>Air cooled complete with building primary pumps, etc., including anti-vibration mountings, plinth formers, etc.</u>			
174	CWG 1 (Energy Raiser)	No	1	
	<u>PUMPS</u>			
	<u>Secondary chilled/heating water circulating pumps complete with coupling, seals, mountings, etc., as per the specification (drains elsewhere measured) complete with premium efficiency motors, anti-vibration mounts and plinth formers</u>			
175	SCHWP 1 Secondary Chilled Water	No	1	
176	SCHWP 2 Secondary Chilled Water	No	1	
177	SCHWP 3 Secondary Chilled Water	No	1	
178	SHWP 1 Heating Water	No	1	
179	SHWP 2 Heating Water	No	1	
180	SHWP 3 Heating Water	No	1	
181	Budgetary Allowance		Item	120 000.00
	<u>Lower Ground Floor Drawing No. M-1000:</u>			
	<u>SYSTEM - EAF - 15 (Basement extract)</u>			
	<u>Fan system - EAF - 15 duty: 8,00m3/s</u>			
182	Fan	No	1	
183	Attenuators	No	1	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
184	Supports	Sets	1.0	
185	AVM's	Sets	1.0	
186	Flexible Canvas Collars	Sets	1.0	
	<u>SYSTEM - EAF - 16 (Transformer and LV Room Extract)</u>			
	<u>Fan system - EAF - 16 duty: 1,6m3/s</u>			
187	Fan	No	1	
188	Attenuators	No	2	
189	Supports	Sets	1.0	
190	AVM's	Sets	1.0	
191	Flexible Canvas Collars	Sets	1.0	
192	Exhaust Cowl	No	1	
	<u>CIRCULAR DUCTING</u>			
193	Dia 500	m	1	
194	Dia 450	m	8	
	<u>CIRCULAR SPIGOTS</u>			
195	Dia 450	No	2	
	<u>EXHAUST AIR GRILLES - FIXED BLADE with OBD</u>			
196	700 x 300	No	4	
	<u>EXTRACT AIR WEATHER LOUVRES</u>			
197	800 x 800	No	1	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>FAN SYSTEM - EAF - 17 DUTY: 0,0150m3/s</u>			
198	Fan	No	1
<u>FAN SYSTEM - EAF - 18 DUTY: 0,82m3/s</u>			
199	Fan	No	1
<u>SPLIT AIR CONDITIONING UNITS</u>			
<u>MWSU.13 & 14 - Lower Ground Floor UPS Room</u>			
200	Wall Mounted inverter unit - 7 kW	No	2
201	Insulated drip tray	No	2
202	Refrig. Piping - including insulation and cable tray support	m	6
203	Drain Piping	Sets	2.0
<u>CWU-01 - Lower Ground Floor Security Green Room</u>			
204	Through wall console unit c/w aluminium external louvers - 4.1kw	No	1
<u>CDU.01 - Lower Ground Floor Security Lobby</u>			
205	In-inceiling Ducted inverter unit - 10 kW, c/w hardwired controller	No	1
206	Refrig. Piping - including insulation and cable tray support / trunking	m	12
207	Drain Piping	Sets	1.0
<u>CIRCULAR DUCTING</u>			
208	Dia 200	m	3
<u>CIRCULAR 90° BENDS</u>			
209	Dia 200	No	1
Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION			
Bill No. 2			
Air Conditioning and Ventilation (Provisional)			
PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R	
<u>F/A GRILLES - FIXED BLADE</u>				
219	300 x 250 fresh air grille	No	1	
220	Budgetary Allowance		Item	120 000.00
<u>Ground Floor Drawing No. M-1001:</u>				
<u>SYSTEM - AHU-1 - TOTAL COOLING 120kw, 6000 l/s</u>				
221	Chilled Water Unit complete with fan, coil, filters, etc. - to be assembled on site in plantroom	No	1	
222	Sheetmetal Plinthformer	No	1	
223	Tico Pads	Sets	1.0	
224	Drain Piping	Sets	1.0	
<u>SOUND ATTENUATORS</u>				
<u>Complete as per specification</u>				
225	Supply Air 1500 W x 500 D x 1200 L	No	1	
226	Return Air 1500 W x 500 D x 1200 L	No	1	
<u>CIRCULAR DUCTING</u>				
227	Dia 250	m	11	
<u>CIRCULAR 90° BENDS</u>				
228	Dia 250	No	4	
<u>CIRCULAR SPIGOTS</u>				
229	Dia 250	No	35	
<u>RECTANGULAR DUCTING</u>				
Carried Forward			R	
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 2				
Air Conditioning and Ventilation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
	<u>Complete with hangers, clamps etc</u>			
230	1.00mm sheetmetal	m2	60	
231	0.80mm sheetmetal	m2	32	
232	0.60mm sheetmetal	m2	201	
	<u>RECTANGULAR DUCT FITTINGS</u>			
	<u>Complete with hangers, clamps etc</u>			
233	1.00mm sheetmetal	No	6	
234	0.80mm sheetmetal	No	2	
235	0.60mm sheetmetal	No	15	
	<u>DUCT INSULATION</u>			
236	FRK 25mm thick	m2	293	
	<u>595 x 595 DCV DIFFUSERS</u>			
237	Dia 250	No	7	
	<u>595 x 595 DVV DIFFUSERS c/w 1kW REHEATERS</u>			
238	Dia 250 Master c/w Wall Mounted Controller	No	18	
239	Dia 250 Slaves	No	3	
	<u>RCV DIFFUSERS</u>			
240	Dia 250	No	7	
	<u>INSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
241	Dia 250	No	35	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
	<u>CIRCULAR SPIGOTS</u>			
257	Dia 200	No	1	
258	Dia 150	No	14	
	<u>RECTANGULAR DUCTING</u>			
	<u>Complete with hangers, clamps etc</u>			
259	0.6mm Sheetmetal	m2	50	
	<u>DISC VALVES</u>			
260	Dia 200	No	1	
261	Dia 150	No	14	
	<u>UNINSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS.</u>			
262	Dia 200	No	1	
263	Dia 150	No	14	
	<u>Fan System - EAF - 9 Duty: 0,150m3/s</u>			
264	Fan	No	1	
	<u>Fan System - EAF - 10 Duty: 0,0150m3/s</u>			
265	Fan	No	1	
	<u>Fan System - EAF - 11 Duty: 0,0150m3/s</u>			
266	Fan	No	1	
	<u>Fan System - EAF - 12 Duty: 0,0150m3/s</u>			
267	Fan	No	1	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Fan System - EAF - 13 Duty: 0,0150m³/s</u>			
268	Fan	No 1	
<u>TRANSFER AIR GRILLES - with expanded mesh behind</u>			
269	600 x 200	No 10	
<u>SPLIT AIR CONDITIONING UNITS</u>			
<u>MWSU.1 & 2 - Ground Floor Patch Room</u>			
270	Wall Mounted inverter unit - 5,2 kW	No 2	
271	Insulated drip tray	No 2	
272	Refrig. Piping - including insulation and cable tray support	m 18	
273	Drain Piping	Sets 2.0	
<u>CCU.1 - Ground Floor Security Monitoring Room</u>			
274	Ceiling Cassette inverter unit - 7 kW	No 1	
275	Refrig. Piping - including insulating and cable tray support	m 12	
276	Drain Piping	Sets 1.0	
<u>FIRE DAMPERS</u>			
277	500 x 300	No 3	
278	Dia 250	No 1	
<u>Volume Control Dampers</u>			
279	Manual balancing damper - 250 Dia	No 35	
280	Manual balancing damper - 150 Dia	No 1	
Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION			
Bill No. 2			
Air Conditioning and Ventilation (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R	
281	Budgetary Allowance		Item		120 000.00
	<u>First Floor Drawing No. M-1002:</u>				
	<u>SYSTEM - AHU-2 - TOTAL COOLING 80kw, 4000 l/s</u>				
282	Chilled Water Unit complete with fan, coil, filters, etc. - to be assembled on site in plantroom	No	1		
283	Sheetmetal Plinthformer	No	1		
284	Tico Pads	Sets	1.0		
285	Drain Piping	Sets	1.0		
	<u>SOUND ATTENUATORS</u>				
	<u>Complete as per specification</u>				
286	Supply Air 1100 W x 450 D x 1200 L	No	1		
287	Return Air 1100 W x 450 D x 1200 L	No	1		
	<u>CIRCULAR DUCTING</u>				
288	Dia 250	m	18		
	<u>CIRCULAR 90° BENDS</u>				
289	Dia 250	No	16		
	<u>CIRCULAR SPIGOTS</u>				
290	Dia 250	No	22		
	<u>RECTANGULAR DUCTING</u>				
	<u>Complete with hangers, clamps etc</u>				
291	0.80mm sheetmetal	m2	92		
292	0.60mm sheetmetal	m2	80		
	Carried Forward			R	
	SECTION NO. 6 : MECHANICAL INSTALLATION				
	Bill No. 2				
	Air Conditioning and Ventilation (Provisional)				
	PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
304	Sheetmetal Plinthformer	No	1	
305	Tico Pads	Sets	1.0	
306	Drain Piping	Sets	1.0	
	<u>SOUND ATTENUATORS</u>			
	<u>Complete as per specification</u>			
307	Supply Air 1100 W x 450 D x 1200 L	No	1	
308	Return Air 1100 W x 450 D x 1200 L	No	1	
	<u>CIRCULAR DUCTING</u>			
309	Dia 250	m	9	
	<u>CIRCULAR 90° BENDS</u>			
310	Dia 250	No	14	
	<u>CIRCULAR SPIGOTS</u>			
311	Dia 250	No	24	
	<u>RECTANGULAR DUCTING</u>			
	<u>Complete with hangers, clamps etc</u>			
312	0.80mm sheetmetal	m2	61	
313	0.60mm sheetmetal	m2	115	
	<u>RECTANGULAR DUCT FITTINGS</u>			
	<u>Complete with hangers, clamps etc</u>			
314	0.80mm sheetmetal	No	5	
315	0.60mm sheetmetal	No	10	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
	<u>DUCT INSULATION</u>			
316	FRK 25mm thick	m2	176	
	<u>595 x 595 DCV DIFFUSERS</u>			
317	Dia 250	No	1	
	<u>595 x 595 DVV DIFFUSERS c/w 1kW REHEATERS</u>			
318	Dia 250 Master c/w Wall Mounted Controller	No	14	
319	Dia 250 Slaves	No	2	
	<u>595 x 595 DVV DIFFUSERS c/w 0,5kW REHEATERS</u>			
320	Dia 250 Master c/w Wall Mounted Controller	No	5	
	<u>RCV DIFFUSERS</u>			
321	Dia 250	No	2	
	<u>INSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
322	Dia 250	No	24	
	<u>WIRE MESH SCREENS</u>			
323	1100 x 450	No	1	
	<u>R/A GRILLES - FIXED BLADE</u>			
324	600 x 600	No	6	
	<u>SYSTEM - EAF - 1 (FLOORS 1-5 TOILETS)</u>			
	<u>Fan measured elsewhere</u>			
	<u>CIRCULAR DUCTING</u>			
325	Dia 450	m	4	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
326	Dia 300	m	7	
327	Dia 250	m	5	
328	Dia 150	m	5	
	<u>CIRCULAR 45° BENDS</u>			
329	Dia 150	No	1	
	<u>CIRCULAR SPIGOTS</u>			
330	Dia 300	No	1	
331	Dia 250	No	1	
332	Dia 200	No	1	
333	Dia 150	No	13	
	<u>DISC VALVES</u>			
334	Dia 200	No	1	
335	Dia 150	No	13	
	<u>UNINSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
336	Dia 200	No	1	
337	Dia 150	No	13	
	<u>Fan System - EAF - 8 Duty: 0,0150m3/s</u>			
338	Fan	No	1	
	<u>SPLIT AIR CONDITIONING UNITS</u>			
	<u>MWSU.3 & 4 - First Floor Patch Room</u>			
339	Wall Mounted inverter unit - 5,2 kW	No	2	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R	
340	Insulated drip tray	No	2		
341	Refrig. Piping - including insulation and cable tray support	m	12		
342	Drain Piping	Sets	2.0		
343	Manual balancing damper - 250 Dia	No	46		
344	Budgetary Allowance		Item		120 000.00
	<u>Second Floor Drawing No. M-1003</u>				
	<u>SYSTEM - AHU-4 - TOTAL COOLING 80kw, 4000 l/s</u>				
345	Chilled Water Unit complete with fan, coil, filters, etc. - to be assembled on site in plantroom.	No	1		
346	Sheetmetal Plinthformer	No	1		
347	Tico Pads	Sets	1.0		
348	Drain Piping	Sets	1.0		
	<u>SOUND ATTENUATORS</u>				
	<u>Complete as per specification</u>				
349	Supply Air 1100 W x 450 D x 1200 L	No	1		
350	Return Air 1100 W x 450 D x 1200 L	No	1		
	<u>CIRCULAR DUCTING</u>				
351	Dia 250	m	17		
	<u>CIRCULAR 90° BENDS</u>				
352	Dia 250	No	10		
	Carried Forward			R	
	SECTION NO. 6 : MECHANICAL INSTALLATION				
	Bill No. 2				
	Air Conditioning and Ventilation (Provisional)				
	PREPARED BY: DBSA				

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
	<u>Complete with hangers, clamps etc</u>			
375	0.80mm sheetmetal	m2	59	
376	0.60mm sheetmetal	m2	115	
	<u>RECTANGULAR DUCT FITTINGS</u>			
	<u>Complete with hangers, clamps etc</u>			
377	0.80mm sheetmetal	No	5	
378	0.60mm sheetmetal	No	10	
	<u>DUCT INSULATION</u>			
379	FRK 25mm thick	m2	174	
	<u>595 x 595 DCV DIFFUSERS</u>			
380	Dia 250	No	5	
	<u>595 x 595 DVV DIFFUSERS c/w 1kW REHEATERS</u>			
381	Dia 250 Master c/w Wall Mounted Controller	No	14	
	<u>RVV DIFFUSERS c/w 1kW REHEATERS</u>			
382	Dia 250 Master c/w Wall Mounted Controller	No	1	
383	Dia 250 Slaves	No	1	
	<u>RCV DIFFUSERS</u>			
384	Dia 250	No	2	
	<u>INSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
385	Dia 250	No	23	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>595 x 595 DCV DIFFUSERS</u>			
423	Dia 250	No	7
<u>595 x 595 DVV DIFFUSERS c/w 1kW REHEATERS</u>			
424	Dia 250 Master c/w Wall Mounted Controller	No	10
425	Dia 250 Slaves	No	4
<u>RCV DIFFUSERS</u>			
426	Dia 250	No	2
<u>INSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
427	Dia 250	No	23
<u>WIRE MESH SCREENS</u>			
428	1100 x 450	No	1
<u>R/A GRILLES - FIXED BLADE</u>			
429	600 x 600	No	6
<u>SYSTEM - AHU-7 - TOTAL COOLING 80kw, 4000 l/s</u>			
430	Chilled Water Unit complete with fan, coil, filters, etc. - to be assembled on site in plantroom	No	1
431	Sheetmetal Plinthformer	No	1
432	Tico Pads	Sets	1.0
433	Drain Piping	Sets	1.0
<u>SOUND ATTENUATORS</u>			
<u>Complete as per specification</u>			
434	Supply Air 1100 W x 450 D x 1200 L	No	1
Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION			
Bill No. 2			
Air Conditioning and Ventilation (Provisional)			
PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
446	Dia 250 Slaves	No	1	
	<u>RCV DIFFUSERS</u>			
447	Dia 250	No	2	
	<u>INSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
448	Dia 250	No	23	
	<u>WIRE MESH SCREENS</u>			
449	1100 x 450	No	1	
	<u>R/A GRILLES - FIXED BLADE</u>			
450	600 x 600	No	6	
	<u>SYSTEM - EAF - 1 (FLOORS 1-5 TOILETS)</u>			
	<u>Fan measured elsewhere</u>			
	<u>CIRCULAR DUCTING</u>			
451	Dia 450	m	4	
452	Dia 300	m	7	
453	Dia 250	m	5	
454	Dia 150	m	5	
	<u>CIRCULAR 45° BENDS</u>			
455	Dia 150	No	1	
	<u>CIRCULAR SPIGOTS</u>			
456	Dia 300	No	1	
457	Dia 250	No	1	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R	
458	Dia 200	No	1		
459	Dia 150	No	13		
	<u>DISC VALVES</u>				
460	Dia 200	No	1		
461	Dia 150	No	13		
	<u>UNINSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>				
462	Dia 200	No	1		
463	Dia 150	No	13		
	<u>Fan System - EAF - 6 Duty: 0,0150m3/s</u>				
464	Fan	No	1		
	<u>Fan System - EAF - 7 Duty: 0,0150m3/s</u>				
465	Fan	No	1		
	<u>SPLIT AIR CONDITIONING UNITS</u>				
	<u>MWSU.7 & 8 - Third Floor Patch Room</u>				
466	Wall Mounted inverter unit - 5,2 kW	No	2		
467	Insulated drip tray	No	2		
468	Refrig. Piping - including insulation and cable tray support	m	12		
469	Drain Piping	Sets	2.0		
470	Manual balancing damper - 250 Dia	No	46		
471	Budgetary Allowance		Item		120 000.00
	Carried Forward			R	
	SECTION NO. 6 : MECHANICAL INSTALLATION				
	Bill No. 2				
	Air Conditioning and Ventilation (Provisional)				
	PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>Fourth Floor Drawing No. M-1005</u>			
<u>SYSTEM - AHU-8 - TOTAL COOLING 80kw, 4000 l/s</u>			
472	Chilled Water Unit complete with fan, coil, filters, etc. - to be assembled on site in plantroom	No 1	
473	Sheetmetal Plinthformer	No 1	
474	Tico Pads	Sets 1.0	
475	Drain Piping	Sets 1.0	
<u>SOUND ATTENUATORS</u>			
<u>Complete as per specification</u>			
476	Supply Air 1100 W x 450 D x 1200 L	No 1	
477	Return Air 1100 W x 450 D x 1200 L	No 1	
<u>CIRCULAR DUCTING</u>			
478	Dia 250	m 18	
<u>CIRCULAR 90° BENDS</u>			
479	Dia 250	No 8	
<u>CIRCULAR SPIGOTS</u>			
480	Dia 250	No 24	
<u>RECTANGULAR DUCTING</u>			
<u>Complete with hangers, clamps etc</u>			
481	0.80mm sheetmetal	m2 81	
482	0.60mm sheetmetal	m2 80	
<u>RECTANGULAR DUCT FITTINGS</u>			
Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION			
Bill No. 2			
Air Conditioning and Ventilation (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
	<u>Complete with hangers, clamps etc</u>			
483	0.80mm sheetmetal	No	9	
484	0.60mm sheetmetal	No	5	
	<u>DUCT INSULATION</u>			
485	FRK 25mm thick	m2	162	
	<u>595 x 595 DCV DIFFUSERS</u>			
486	Dia 250	No	11	
	<u>595 x 595 DVV DIFFUSERS c/w 1kW REHEATERS</u>			
487	Dia 250 Master c/w Wall Mounted Controller	No	9	
488	Dia 250 Slaves	No	2	
	<u>RCV DIFFUSERS</u>			
489	Dia 250	No	2	
	<u>INSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
490	Dia 250	No	24	
	<u>WIRE MESH SCREENS</u>			
491	1100 x 450	No	1	
	<u>R/A GRILLES - FIXED BLADE</u>			
492	600 x 600	No	7	
	<u>System - AHU-9 - Total cooling 80kw, 4000 l/s</u>			
493	Chilled Water Unit complete with fan, coil, filters, etc. - to be assembled on site in plantroom	m	1	
494	Sheetmetal Plinthformer	No	1	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
495	Tico Pads	Sets	1.0	
496	Drain Piping	Sets	1.0	
	<u>SOUND ATTENUATORS</u>			
	<u>Complete as per specification</u>			
497	Supply Air 1100 W x 450 D x 1200 L	No	1	
498	Return Air 1100 W x 450 D x 1200 L	No	1	
	<u>CIRCULAR DUCTING</u>			
499	Dia 250	m	16	
	<u>CIRCULAR 90° BENDS</u>			
500	Dia 250	No	7	
	<u>CIRCULAR SPIGOTS</u>			
501	Dia 250	No	19	
	<u>RECTANGULAR DUCTING</u>			
	<u>Complete with hangers, clamps etc</u>			
502	0.80mm sheetmetal	m2	58	
503	0.60mm sheetmetal	m2	114	
	<u>RECTANGULAR DUCT FITTINGS</u>			
	<u>Complete with hangers, clamps etc</u>			
504	0.80mm sheetmetal	No	5	
505	0.60mm sheetmetal	No	12	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>MWSU.9 & 10 - Fourth Floor Patch Room</u>			
530	Wall Mounted inverter unit - 5,2 kW	No 2	
531	Insulated drip tray	No 2	
532	Refrig. Piping - including insulation and cable tray support	m 12	
533	Drain Piping	Sets 2.0	
534	Manual balancing damper - 250 Dia	No 46	
535	Budgetary Allowance	Item	120 000.00
<u>Fifth Floor Drawing No. M-1006</u>			
<u>SYSTEM - AHU-10 - TOTAL COOLING 80kw, 4000 l/s</u>			
536	Chilled Water Unit complete with fan, coil, filters, etc. - to be assembled on site in plantroom	No 1	
537	Sheetmetal Plinthformer	No 1	
538	Tico Pads	Sets 1.0	
539	Drain Piping	Sets 1.0	
<u>SOUND ATTENUATORS</u>			
<u>Complete as per specification</u>			
540	Supply Air 1100 W x 450 D x 1200 L	No 1	
541	Return Air 1100 W x 450 D x 1200 L	No 1	
<u>CIRCULAR DUCTING</u>			
542	Dia 250	m 18	
Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION Bill No. 2 Air Conditioning and Ventilation (Provisional) PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>INSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
554	Dia 250	No	24
<u>WIRE MESH SCREENS</u>			
555	1100 x 450	No	1
<u>R/A GRILLES - FIXED BLADE</u>			
556	600 x 600	No	7
<u>SYSTEM - AHU-11 - TOTAL COOLING 80kw, 4000 l/s</u>			
557	Chilled Water Unit complete with fan, coil, filters, etc. - to be assembled on site in plantroom	No	1
558	Sheetmetal Plinthformer	No	1
559	Tico Pads	Sets	1.0
560	Drain Piping	Sets	1.0
<u>SOUND ATTENUATORS</u>			
<u>Complete as per specification</u>			
561	Supply Air 1100 W x 450 D x 1200 L	No	1
562	Return Air 1100 W x 450 D x 1200 L	No	1
<u>CIRCULAR DUCTING</u>			
563	Dia 250	m	20
<u>CIRCULAR 90° BENDS</u>			
564	Dia 250	No	10
<u>CIRCULAR SPIGOTS</u>			
565	Dia 250	No	25
Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION Bill No. 2 Air Conditioning and Ventilation (Provisional) PREPARED BY: DBSA			

Brought Forward			R
<u>RECTANGULAR DUCTING</u>			
<u>Complete with hangers, clamps etc</u>			
566	0.80mm sheetmetal	m2	61
567	0.60mm sheetmetal	m2	115
<u>RECTANGULAR DUCT FITTINGS</u>			
<u>Complete with hangers, clamps etc</u>			
568	0.80mm sheetmetal	No	6
569	0.60mm sheetmetal	No	14
<u>DUCT INSULATION</u>			
570	FRK 25mm thick	m2	178
<u>595 x 595 DCV DIFFUSERS</u>			
571	Dia 250	No	5
<u>595 x 595 DVV DIFFUSERS c/w 1kW REHEATERS</u>			
572	Dia 250 Master c/w Wall Mounted Controller	No	14
573	Dia 250 Slaves	No	
<u>595 x 595 DVV DIFFUSERS c/w 0,5kW REHEATERS</u>			
574	Dia 250 Master c/w Wall Mounted Controller	No	2
575	Dia 250 Slaves	No	2
<u>RCV DIFFUSERS</u>			
576	Dia 250	No	2
Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION			
Bill No. 2			
Air Conditioning and Ventilation (Provisional)			
PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>INSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
577	Dia 250	No	25
<u>WIRE MESH SCREENS</u>			
578	1100 x 450	No	1
<u>R/A GRILLES - FIXED BLADE</u>			
579	600 x 600	No	6
<u>SYSTEM - EAF - 1 (FLOORS 1-5 TOILETS)</u>			
<u>Fan System - EAF - 1 Duty: 4.00m³/s</u>			
580	Fan	No	1
581	Attenuators	No	2
582	Supports	No	1
583	AVM's	Sets	1.0
584	Flexible Canvas Collars	Sets	1.0
585	Exhaust Cowl	No	1
<u>CIRCULAR DUCTING</u>			
586	Dia 450	m	4
587	Dia 300	m	7
588	Dia 250	m	5
589	Dia 150	m	5
<u>CIRCULAR 45° BENDS</u>			
590	Dia 150	No	1
Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION Bill No. 2 Air Conditioning and Ventilation (Provisional) PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
604	Attenuators	No	2	
605	Supports	Sets	1.0	
606	AVM's	Sets	1.0	
607	Flexible Canvas Collars	Sets	1.0	
	<u>CIRCULAR DUCTING</u>			
608	Dia 150	m	5	
	<u>CIRCULAR 90° BENDS</u>			
609	Dia 150	No	1	
	<u>DISC VALVES</u>			
610	Dia 150	No	1	
	<u>UNINSULATED FLEXIBLE DUCTING 1.5 M LONG COMPLETE WITH JUBILEE CLAMPS</u>			
611	Dia 150	No	1	
	<u>WEATHER LOUVER</u>			
612	200 x 200	No	1	
	<u>SPLIT AIR CONDITIONING UNITS</u>			
	<u>MWSU.11 & 12 - Fifth Floor Patch Room</u>			
613	Wall Mounted inverter unit - 5,2 kW	No	2	
614	Insulated drip tray	No	2	
615	Refrig. Piping - including insulation and cable tray support	m	12	
616	Drain Piping	Sets	2.0	
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 2			
	Air Conditioning and Ventilation (Provisional)			
	PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward		R
	<u>Fan DB's:</u>		
634	ACDB 2	Item	
635	ACDB 3	Item	
636	ACDB 4	Item	
	<u>All field wiring, cabling, conduiting from distribution boards to all individual components of the air-conditioning and ventilation systems associated with the various individual distribution boards. (distribution boards elsewhere measured)</u>		
	<u>Chillers</u>		
637	CWG.1 and pumps	Item	
	<u>Chilled Water Air Handling Units</u>		
638	AHU.1	Item	
639	AHU.2	Item	
640	AHU.3	Item	
641	AHU.4	Item	
642	AHU.5	Item	
643	AHU.6	Item	
644	AHU.7	Item	
645	AHU.8	Item	
646	AHU.9	Item	
647	AHU.10	Item	
648	AHU.11	Item	
	Carried Forward		R
	SECTION NO. 6 : MECHANICAL INSTALLATION		
	Bill No. 2		
	Air Conditioning and Ventilation (Provisional)		
	PREPARED BY: DBSA		

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward		R
	<u>Mid-wall Split Units</u>		
649	MWSU 1	Item	
650	MWSU 2	Item	
651	MWSU 3	Item	
652	MWSU 4	Item	
653	MWSU 5	Item	
654	MWSU 6	Item	
655	MWSU 7	Item	
656	MWSU 8	Item	
657	MWSU 9	Item	
658	MWSU 10	Item	
659	MWSU 11	Item	
660	MWSU 12	Item	
661	MWSU 13	Item	
662	MWSU 14	Item	
	<u>Ceiling Cassette Units</u>		
663	CCU.1	Item	
	<u>Ventilation Fans</u>		
664	EAF.1	Item	
665	EAF.2	Item	
666	EAF.3	Item	
	Carried Forward		R
	SECTION NO. 6 : MECHANICAL INSTALLATION		
	Bill No. 2		
	Air Conditioning and Ventilation (Provisional)		
	PREPARED BY: DBSA		

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

		Brought Forward			R
667	EAF.4		Item		
668	EAF.5		Item		
669	EAF.6		Item		
670	EAF.7		Item		
671	EAF.8		Item		
672	EAF.9		Item		
673	EAF.10		Item		
674	EAF.11		Item		
675	EAF.12		Item		
676	EAF.13		Item		
677	EAF.14		Item		
678	EAF.15		Item		
679	EAF.16		Item		
680	EAF.17		Item		
681	EAF.18		Item		
682	EAF.19		Item		
683	EAF.20		Item		
684	EAF.21		Item		
	<u>Electrical Installation:</u>				
685	Any other electrical and control wiring installation and components required to insure full functionality as per the specification		Item		
		Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION				
	Bill No. 2				
	Air Conditioning and Ventilation (Provisional)				
	PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R
<u>AIR CONDITIONING CONTROL SYSTEM</u>			
<u>BMS Software</u>			
<u>BMS Programming</u>			
<u>Development, writing, configuration, documentation, annotation and testing and commissioning of BMS programming (excluding A/C controls) as specified and as required to achieve full system functionality</u>			
686	Chiller BMS panel as per Points List	No	1
687	AHU 1 BMS panel as per Points List	No	1
688	AHU 2 BMS panel as per Points List	No	1
689	AHU 3 BMS panel as per Points List	No	1
690	AHU 4 BMS panel as per Points List	No	1
691	AHU 5 BMS panel as per Points List	No	1
692	AHU 6 BMS panel as per Points List	No	1
693	AHU 7 BMS panel as per Points List	No	1
694	AHU 8 BMS panel as per Points List	No	1
695	AHU 9 BMS panel as per Points List	No	1
696	AHU 10 BMS panel as per Points List	No	1
697	AHU 11 BMS panel as per Points List	No	1
698	EAF.1 BMS panel as per Points List	No	1
699	EAF.2 BMS panel as per Points List	No	1
700	EAF.15 BMS panel as per Points List	No	1
701	EAF.16 BMS panel as per Points List	No	1
Carried Forward			R
SECTION NO. 6 : MECHANICAL INSTALLATION			
Bill No. 2			
Air Conditioning and Ventilation (Provisional)			
PREPARED BY: DBSA			

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REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Brought Forward			R	
<u>Supply and install workstation configured as specified</u>				
716	Desktop P.C.	No	1	
717	Modem	No	1	
718	Software	No	1	
719	UPS	No	1	
720	Printers	No	2	
721	Interface to BMS	No	1	
722	Interface to Chiller Management System	No	1	
723	Interface with Split Units	No	16	
<u>CABLING</u>				
<u>The supply and installation of twisted pair OAS cable pulled through conduit and/or trunking labelling and terminating including all accessories labelling and terminating including all accessories</u>				
724	1 Pair 1.5mm ² OAS cable	Sets	1.0	
<u>Terminations</u>				
725	1 Pair 1.5mm ² OAS cable	Sets	1.0	
726	Any other hardware, connections, plugs, cables, fittings, brackets, interfaces, drivers, power supplies, labour, etc. required to ensure full functionality as specified		Item	
727	Testing and commissioning of complete HVAC installation and in accordance with specification and CIBSE/ ASHRAE commissioning code		Item	
728	Budgetary Allowance		Item	120 000.00
Carried Forward to Summary of Section No. 6			R	
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 2				
Air Conditioning and Ventilation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 6</u>				
	<u>BILL NO. 3</u>				
	<u>LIFT INSTALLATION (PROVISIONAL) (CPAP WORK GROUP NO. 170 UNLESS OTHERWISE STATED)</u>				
	The Tenderer is referred to the relevant Clauses in the separate document General Preambles for Trades (2017)				
	<u>LIFT INSTALLATION</u>				
	<u>General</u>				
1	Cost for signage, hoarding, barricades, scaffolding, protection for 3-off lifts		Item		
2	Health and safety for Lift installation according to Lift, Escalator and Passenger Conveyor Regulations 2010		Item		
3	Maintenance manuals as specified – 3 hard copies and 3 CD's per lift		Item		
4	Purchase of forward cover, etc		Item		120 000.00
5	Miscellaneous: Lift contractor to detail any additional cost items		Item		
	<u>New Passenger Lift 1</u>				
6	Complete removal and de-commissioning of existing lift (inclusive of all existing structural supports and rails within lift shaft, landing buttons and existing architraves)		Item		
	<u>Total manufacture, supply - c/w Items specified in technical specification</u>				
7	Complete manufacturing cost and equipment		Item		
8	Transportation to site and rigging as specified		Item		
	Carried Forward			R	
	SECTION NO. 6 : MECHANICAL INSTALLATION Bill No. 3 Lift Installation (Provisional) PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
9	Replace all landing call buttons (7 landings)	Item		
10	Supply and install new s/s architraves (7 landings)	Item		
11	Supply and install new landing doors c/w new tracks, hangers, floor sills, etc. (7 landings)	Item		
12	Canvas protection in lift car (pvc protection drapes to side and rear walls fixed with turn-buckle clips, rear panel to indicate mirror behind protective cover)	Item		
13	Wireless intercom (1-off) as per technical specification	Item		
14	Supply and install battery back-up (A.R.D)	Item		
15	Complete electrics and COC (inclusive of re-routing power supply from existing motor room to lift shaft – thereby eliminating the need for the motor room)	Item		
16	Total cost for energy saving operation (ESO) as specified	Item		
17	12 Months free maintenance	Item		
18	Allow for lift sump pump for drainage	Item		
	<u>New Passenger Lift 2</u>			
19	Complete removal and de-commissioning of existing lift (inclusive of all existing structural supports and rails within lift shaft, landing buttons and existing architraves)	Item		
	<u>Total manufacture, supply - c/w items specified in technical specification</u>			
20	Complete manufacturing cost and equipment	Item		
21	Transportation to site and rigging as specified	Item		
22	Replace all landing call buttons (7 landings)	Item		
23	Supply and install new s/s architraves (7 landings)	Item		
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 3			
	Lift Installation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
24	Supply and install new landing doors c/w new tracks, hangers, floor sills, etc. (7 landings)	Item		
25	Canvas protection in lift car (pvc protection drapes to side and rear walls fixed with turn-buckle clips, rear panel to indicate mirror behind protective cover)	Item		
26	Wireless intercom (1-off) as per technical specification	Item		
27	Supply and install battery back-up (A.R.D)	Item		
28	Complete electrics and COC (inclusive of re-routing power supply from existing motor room to lift shaft – thereby eliminating the need for the motor room)	Item		
29	Total cost for energy saving operation (ESO) as specified	Item		
30	12 Months free maintenance	Item		
31	Allow for lift sump pump for drainage	Item		
	<u>New Goods Lift 3</u>			
32	Complete removal and de-commissioning of existing lift (inclusive of all existing structural supports and rails within lift shaft, landing buttons and existing architraves)	Item		
	<u>Total manufacture, supply - c/w items specified in technical specification</u>			
33	Complete manufacturing cost and equipment	Item		
34	Transportation to site and rigging as specified	Item		
35	Replace all landing call buttons (7 landings)	Item		
36	Supply and install new s/s architraves (7 landings)	Item		
37	Supply and install new landing doors c/w new tracks, hangers, floor sills, etc. (7 landings)	Item		
	Carried Forward			R
	SECTION NO. 6 : MECHANICAL INSTALLATION			
	Bill No. 3			
	Lift Installation (Provisional)			
	PREPARED BY: DBSA			

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS

ADMINISTRATIVE HEAD QUARTERS

LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

	Brought Forward			R
38	Canvas protection in lift car (pvc protection drapes to side and rear walls fixed with turn-buckle clips, rear panel to indicate mirror behind protective cover)	Item		
39	Wireless intercom (1-off) as per technical specification	Item		
40	Supply and install battery back-up (A.R.D)	Item		
41	Complete electrics and COC (inclusive of re-routing power supply from existing motor room to lift shaft – thereby eliminating the need for the motor room)	Item		
42	Total cost for energy saving operation (ESO) as specified	Item		
43	12 Months free maintenance	Item		
44	Allow for lift sump pump for drainage	Item		
Carried Forward to Summary of Section No. 6				R
SECTION NO. 6 : MECHANICAL INSTALLATION				
Bill No. 3				
Lift Installation (Provisional)				
PREPARED BY: DBSA				

REFURBISHMENT TO THE GOVERNMENT PRINTING WORKS
ADMINISTRATIVE HEAD QUARTERS
LOCATED AT 389 SOPHIE DE BRUYN STREET, PRETORIA CENTRAL

SECTION SUMMARY		Page No	Amount	
Bill No				
1	Preliminaries (Provisional)	196		
2	Air Conditioning and Ventilation (Provisional)	249		
3	Lift Installation (Provisional)	253		
Carried to Final Summary			R	
SECTION NO. 6 : MECHANICAL INSTALLATION				
PREPARED BY: DBSA				

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