

	Unit	Quantity	Rate	Amount
<p>Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.</p>				
<p><u>EXCAVATION ETC, FILLING, ETC OTHER THAN BULK</u></p>				
<p><u>Excavation in earth not exceeding 2m deep</u></p>				
1	Holes. (LABOUR INTENSIVE)	m ³	2	
<p><u>Extra over trench and hole excavations in earth for excavation in</u></p>				
2	Soft rock. (LABOUR INTENSIVE)	m ³	1	
3	Hard rock	m ³	1	
<p><u>Extra over all excavations for carting away</u></p>				
4	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	1	
<p><u>Risk of collapse of excavations</u></p>				
5	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	2	
<p><u>Compaction of surfaces</u></p>				
6	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density. (LABOUR INTENSIVE)	m ²	3	
7	Rip and recompaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density. (LABOUR INTENSIVE)	m ²	9	
<p><u>FILLING ETC OTHER THAN BULK</u></p>				
<p><u>Earth filling supplied by the contractor:</u></p>				
8	Earth filling of G5 material all in accordance with SABS 1200DM compacted in layers not exceeding 150mm thick and backfilling to trenches, holes, etc . (LABOUR INTENSIVE)	m ³	1	
			Carried to Collection	R
Section No. 7				
Bill No. 2				
Earthworks				

	Unit	Quantity	Rate	Amount
<u>SOIL POISONING</u>				
<u>Approved brand of anti-termite soil poisoning applied by a registered Pest Control company and guaranteed against termite infestation for ten years:</u>				
9	To bottoms and sides of trenches etc.	m ²	4	
Carried to Collection			R	
Section No. 7 Bill No. 2 Earthworks				

Amount

SECTION NO. 7

FLAG POLE

BILL NO. 2

EARTHWORKS

COLLECTION

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Section No. 7
Bill No. 2
Earthworks

Unit Quantity Rate Amount

SECTION NO. 7

FLAG POLE

BILL NO. 3

CONCRETE, FORMWORK AND REINFORCEMENT

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

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Section No. 7

Bill No. 3

Concrete, Formwork And Reinforcement

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 Tests of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately).</p> <p><u>Formwork</u></p> <p>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.</p> <p>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 or instruction to remove is given as a site instruction by the relevant consulting engineer.</p> <p>Formwork to soffits of solid slabs etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p> <p>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.</p>				
Carried to Collection			R	
<p>Section No. 7 Bill No. 3 Concrete, Formwork And Reinforcement</p>				

	Unit	Quantity	Rate	Amount
<p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.</p> <p><u>Drawings:</u></p> <p>Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.</p> <p><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></p> <p><u>30MPa/19mm concrete</u></p>				
1	Walls	m ³	1	
<p><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>25MPa/19mm concrete</u></p>				
2	Bases. (LABOUR INTENSIVE)	m ³	1	
<p><u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)</u></p> <p><u>Rough formwork to sides</u></p>				
3	Walls	m ²	2	
<p><u>SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)</u></p> <p><u>Smooth formwork to sides</u></p>				
4	Walls	m ²	9	
<p><u>Boxing in special formwork to form:</u></p>				
5	120mm Diameter x 350mm long recess in side of concrete walls.	No	7	
6	20mm Thick recess in side of concrete walls.	m	4	
			Carried to Collection	R
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Bill No. 3				
Concrete, Formwork And Reinforcement				

		Unit	Quantity	Rate	Amount
<u>REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)</u>					
<u>Mild steel reinforcement to structural concrete work</u>					
7	Bars of various diameter.	Tonnes	0.12		
<u>High tensile steel reinforcement to structural concrete work</u>					
8	Bars of various diameter.	Tonnes	0.12		
				R	
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Concrete, Formwork And Reinforcement					

Amount

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BILL NO. 3

CONCRETE, FORMWORK AND REINFORCEMENT

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Bill No. 3

Concrete, Formwork And Reinforcement

Unit Quantity Rate Amount

SECTION NO. 7

FLAG POLE

BILL NO. 4

IRONMONGERY

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

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Section No. 7
 Bill No. 4
 Ironmongery

Unit Quantity Rate Amount

Labour Intensive

Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppcase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.

Finishes to ironmongery

Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded.

Drawings:

Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.

LETTERS, NAMEPLATES, ETC.

Purpose made stainless steel signage:

1 150mm Wide x 150mm high x 3mm thick letter fixed to concrete wall (concrete wall elsewhere measured) with and including approved fixings as per drawing No. 1220.12-530, appended at the back of these Bills of Quantities.

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Section No. 7
Bill No. 4
Ironmongery

	Unit	Quantity	Rate	Amount
2 400mm x 500mm High extreme National coat of arms logo plate, cut from 600 x 600mm x 3mm thick stainless steel sheet, fixed to reinforced concrete wall (reinforced concrete wall elsewhere measured), all as per drawing No. 1220.12-530, attached at the back of these Bills of Quantities.	No	1		
Section No. 7 Bill No. 4 Ironmongery			Carried to Collection	R

Amount

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BILL NO. 4

IRONMONGERY

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Section No. 7
Bill No. 4
Ironmongery

Unit Quantity Rate Amount

SECTION NO. 7

FLAG POLE

BILL NO. 5

METALWORK

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

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Section No. 7

Bill No. 5

Metalwork

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> <p><u>Descriptions of bolts, anchors, etc.</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers.</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.</p> <p><u>Hot dipped galvanising</u></p> <p>The mass of hot dip galvanised steelwork has been calculated on the mass before galvanising and no allowance has been made for the additional mass of galvanising for which allowance must be made in pricing.</p> <p>Unless otherwise stated, all steelwork described as galvanised shall be deemed to include for 'hot-dip' galvanising in accordance with the latest SANS standards.</p> <p><u>Welded joints and intersections</u></p> <p>Prices of continuous hollow section and solid section shall include for welded joints in the length and prices of intersections shall include for all cutting, mitering, scribing, shaping, welding, bends, knees, ramps, etc.</p> <p>Prices of balustrades, burglar guards and the like shall include for framed and welded joints and intersections.</p>				
<p>Section No. 7 Bill No. 5 Metalwork</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<p><u>Screws and bolts</u></p> <p>Screws and bolts shall be of corresponding metal and colour and heads of screws shall be countersunk. Self-tapping screws shall, unless otherwise described, be used for screwing items to adjoining metalwork. Stainless steel screws shall be used for fixing aluminium. Items fixed to adjoining metalwork with rivets, self-tapping screws, set screws, machine screws, etc., shall include for all necessary drilling.</p> <p>Where bolting is specified, projecting shank ends of bolts shall be cut flush and left smooth.</p> <p><u>Powdercoated aluminium windows, doors, etc</u></p> <p>Powdercoating to doors, windows, gates, etc. shall be minimum 25 microns thick, manufactured and installed in accordance with good building practice and in terms of the latest code of practice with revisions as recommended by the SANS and AAAMSA.</p> <p>Items shall be manufactured by an approved specialist who shall provide a sample upon request, for approval by the Principal Agent.</p> <p>Tenderers are advised to refer to the architects window and door sechdules.</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 same rectified and allow for accordingly in his tender. The Contractor is to include in the rates for all that he/she 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>Tenderers are to note that prices for aluminium doors and windows are to include for all necessary ironmongery for the complete installation as required. No further claims in this regard will be entertained.</p> <p><u>Rates shall include for the following</u></p> <p>All opening and fixed lights, coupling mullions and transoms, fittings, ironmongery, etc. As required.</p> <p>Complete glazing as described with and including matching aluminium glazing beads and gaskets and glazed in accordance with the manufacturer's written instructions.</p> <p>Building in and fixing into preformed openings. Window opening size to be verified on site before windows can be manufactured.</p>				
<p>Section No. 7 Bill No. 5 Metalwork</p>			R	
<p>Carried to Collection</p>				

	Unit	Quantity	Rate	Amount
<p>Suitably protecting all exposed aluminium and glass surfaces with an approved protection tape and plastic sheeting. Such protection is to be removed at completion of the contract and the exposed surfaces cleaned down and left perfect. Under no circumstances will any damage whatsoever to the finished product be accepted.</p> <p><u>Drawings</u></p> <p>Tenderers are to note that where descriptions include reference to drawings, notwithstanding anything contained in the descriptions, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No additional time and/or monetary claims resulting from non-adherence to the above will be entertained.</p> <p><u>SUNDRY STEELWORK</u></p> <p><u>Bolts:</u></p>				
1	No	8		
<p><u>Flagpoles:</u></p>				
2	No	2		
			Carried to Collection	R
Section No. 7				
Bill No. 5				
Metalwork				

Amount

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FLAG POLE

BILL NO. 5

METALWORK

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Section No. 7
Bill No. 5
Metalwork

Amount

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4	IRONMONGERY	232
5	METALWORK	237

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SECTION SUMMARY

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	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 8</u></p> <p><u>FENCING</u></p> <p><u>BILL NO. 1</u></p> <p><u>EXTERNAL WORKS</u></p> <p>The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Working at Heights:</u></p> <p>Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
			Carried to Collection	
Section No. 8				R
Bill No. 1				
External Works				

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> <p><u>Colour:</u></p> <p>Colour shall be anthracite black.</p> <p><u>Drawings:</u></p> <p>Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.</p> <p><u>FENCING</u></p> <p><u>THE FOLLOWING IN "COCHRANE CLEARVU TYPE 22" OR OTHER APPROVED FENCING, GATES AND SCREENS</u></p> <p><u>Hot-dipped galvanised with and including marine fusion bond coated security fence screens with 50 x 50mm GMS steel angle sub-frame with vandal proof spider clamps with twist-off heads, etc. including hot-dipped galvanised steel bolts, etc., site clearance and preparation of ground, etc.</u></p>				
1	No	3		
			Carried to Collection	R
<p>Section No. 8 Bill No. 1 External Works</p>				

Amount

SECTION NO. 8

FENCING

BILL NO. 1

EXTERNAL WORKS

COLLECTION

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Section No. 8
Bill No. 1
External Works

Amount

SECTION NO. 8

FENCING

SECTION SUMMARY

Bill No.

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EXTERNAL WORKS

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Section No. 8
SECTION SUMMARY

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	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 9</u> <u>LANDSCAPING</u> <u>BILL NO. 1</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p>				
<p>The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p>				
<p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p>				
<p><u>SUPPLEMENTARY PREAMBLES</u></p>				
<p><u>Working at Heights:</u></p>				
<p>Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p>				
<p>Section No. 9 Bill No. 1 Concrete, Formwork And Reinforcement</p>				
<p>Carried to Collection</p>				
			R	

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 Tests of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests for approval. The testing shall be undertaken by an approved independent firm or institution nominated by the contractor (test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>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</p> <p>Drawings:</p> <p>Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.</p>				
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 9 Bill No. 1 Concrete, Formwork And Reinforcement</p>			R	

	Unit	Quantity	Rate	Amount
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>				
<u>25MPa/19mm concrete</u>				
1	Planters, etc. (LABOUR INTENSIVE)	m ³	137	
<u>TEST CUBES</u>				
<u>Test Cubes</u>				
2	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	17	
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>				
<u>(CPAP WORK GROUP NO. 111)</u>				
<u>Rough formwork to soffits</u>				
3	Planters, etc	m ²	299	
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>				
<u>(CPAP WORK GROUP NO. 111)</u>				
<u>Smooth formwork to sides</u>				
4	Planters, etc	m ²	395	
<u>REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)</u>				
<u>Mild and high tensile steel reinforcement to structural concrete work</u>				
5	Bars of various diameters	Tonnes	13.70	
Carried to Collection				R
Section No. 9				
Bill No. 1				
Concrete, Formwork And Reinforcement				

Amount

SECTION NO. 9

LANDSCAPING

BILL NO. 1

CONCRETE, FORMWORK AND REINFORCEMENT

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Section No. 9

Bill No. 1

Concrete, Formwork And Reinforcement

Unit Quantity Rate Amount

SECTION NO. 9

LANDSCAPING

BILL NO. 2

WATERPROOFING

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Section No. 9
 Bill No. 2
 Waterproofing

	Unit	Quantity	Rate	Amount
<p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>Proprietary branded products:</u></p> <p>Proprietary branded products are to be applied in strict accordance with the manufacturer's instructions. Should the manufacturer's instructions be found not to have been followed in any process relating to the product in relation to, but not limited to transportation, application (rates and methodology), treatment of existing surfaces etc. , then all liability for such product shall be transferred to the appointed Main Contractor.</p> <p><u>Drawings:</u></p> <p>Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.</p>				
<p>Section No. 9 Bill No. 2 Waterproofing</p>			<p>Carried to Collection</p>	<p>R</p>

	Unit	Quantity	Rate	Amount
<u>WATERPROOFING TO PLANTERS</u>				
<u>One layer 'Derbiquum CG4' or other approved waterproofing membrane sealed by means of 'torchfusion' with 100mm side laps and 150mm end laps</u>				
1	m ²	370		
2	m ²	232		
Carried to Collection			R	
Section No. 9				
Bill No. 2				
Waterproofing				
		250		

Amount

SECTION NO. 9
LANDSCAPING
BILL NO. 2
WATERPROOFING
COLLECTION

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250

Carried To Section Summary

R

Section No. 9
Bill No. 2
Waterproofing

Amount

SECTION NO. 9

LANDSCAPING

BILL NO. 3

PROVISIONAL SUMS

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Labour Intensive

Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.

Drawings:

Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.

Carried to Collection

R

Section No. 9

Bill No. 3

Provisional Sums

Amount

PROVISIONAL SUMS FOR SUBCONTRACT WORKS

Landscaping (Domestic Subcontract Works)

- 1 Provide the sum of R 500,000.00 (Five Hundred Thousand Rand Only) for landscaping complete.
- 2 Profit
- 3 Attendance

Item	500 000 00
Item	
Item	

Carried to Collection

R

Section No. 9
 Bill No. 3
 Provisional Sums

Amount

SECTION NO. 9

LANDSCAPING

BILL NO. 3

PROVISIONAL SUMS

COLLECTION

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Section No. 9
Bill No. 3
Provisional Sums

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SECTION NO. 9

LANDSCAPING

SECTION SUMMARY

Bill No.

Page

- 1 CONCRETE, FORMWORK AND REINFORCEMENT
- 2 WATERPROOFING
- 3 PROVISIONAL SUMS

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Carried to Final Summary

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Section No. 9
SECTION SUMMARY

Section No.	<u>FINAL SUMMARY</u>	Page	Amount
1	ROADWORK	165	
2	DEMOLITIONS AND ALTERATIONS	172	
3	BULK EARTHWORKS	186	
4	WATER SUPPLIES	193	
5	SEWER RETICULATION	200	
6	STORMWATER RETICULATION	218	
7	FLAG POLE	238	
8	FENCING	243	
9	LANDSCAPING	255	
	SubTotal excluding Value Added Tax ADD VAT @ 15%:		
	Carried to Tender		R
	FINAL SUMMARY		

SUMMARY - EXTERNAL WORKS

PAGE

AMOUNT

1	ROADWORK	165
2	DEMOLITIONS AND ALTERATIONS	172
3	BULK EARTHWORKS	186
4	WATER SUPPLIES	193
5	SEWER RETICULATION	200
6	STORMWATER RETICULATION	218
7	FLAG POLE	238
8	FENCING	243
9	LANDSCAPING	255

Carried to Summary - Builders Work and EPWP (Page 259)

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public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

SUNDUMBILI MAGISTRATE OFFICE: ADDITIONAL ACCOMMODATION

PART B3: EXTENDED PUBLIC WORKS PROGRAMME (EPWP)

ITEM	DESCRIPTION	UNITS	QUANTITY	RATE	AMOUNT
10	SECTION NO:				
	BILL NO:				
	EMPLOYMENT AND TRAINING OF LABOUR ON THE EPWP-NYS INFRASTRUCTURE PROJECTS				
	PREAMBLES				
	Tenderers are advised to study the Additional Specification SL: Employment and Training of labour on the Extended Public Works Programme EPWP infrastructure Project National Youth Service, as bound elsewhere in the BOQ and then price this bill accordingly				
	TRAINING OF YOUTH WORKERS				
	TARGET: 96 YOUTH WORKERS				
	Orientation, Life Skills development and technical training				
10.1	Orientation and Life skills development traing for youth workers for an avarage of 10 days per youth worker(ref:SL11.01.01)		Prov	Sum	R 380 000.00
10.2	Technical skills training for youth workers for an avarage of 45 daysper youth worker (ref:SL11.01.02)		Prov	Sum	R 3 240 000.00
	Provide Medical Surveillance		PC	Sum	R 47 556.00
10.3	Payment Reduction due to not meeting the target(ref.SL11.03)				-R 2 000.00
10.4	Profit and attendance (on items 1 and 2 above)	%			R 3 667 556.00
	TRAVELING AND ACCOMODATION DURING OFF-SITE TRAINING:				
10.5	Orientation ,Life skills training for 10 days each(SL)				
	Traveling (based on R30 per day return trip/trainer)		Prov	Sum	R 30 000.00
	Accomodation (based on 10 days per week and R150p/n)		Prov	Sum	R 42 000.00
	Profit and attendance (on items 1 and 2 above)	%			R 72 000.00
10.6	Skill development and technical training (ref.SL)				
	Travelling (based on R30 per day return trip/trainer)		Prov	Sum	R 19 200.00
	Accomodation (based on 5 nights per week and R150/N		Prov	Sum	R 57 600.00
	Profit and attendance (on the items 1and 2 above)	%			R 76 800.00
	Carried Forward				

ITEM	DESCRIPTION	UNITS	QUANTITY	RATE	AMOUNT
	Brought Forward				
10.7	ALTERNATIVE WORKERS FOR THE PERIOD OF OFF-SITE TRAINING				
	Skills development and technical training for youth workers for a period of 45 days per youth worker(ref: SL11.03.01)				R 81 600.00
10.8	EMPLOYMENT OF YOUTH WORKERS				
	Employment of youth workers		Prov	Sum	R 2 217 600.00
	The unit of measurement shall be the number of youth workers at the labour rate of R2 458.82 per month whilst working and R660.00 per month whilst on training as the agreed by MINMEC multiplied by the period employment in months and the rate tendered shall include full compensation for all costs associated with the employment of youth workers and for complying with the conditions of contract. The cost for training shall be excluded from this item. This item is based on 6 months appointment for youth workers.				
	Profit and attendance (ref:SL 11.04.02)	%	R 2 217 600.00		
10.9	PROVISION OF EPWPDESIGNED OVERALLS AND HARD HATS TO YOUTH WORKERS				
	Supply 2 x EPWP branded overalls, 1 x EPWP branded hard hats to and 1 x pair of safety boots to youth workers		Prov	Sum	R 190 000.00
	Profit and attendance (ref:SL 11.05.01)	%	R 190 000.00		
10.10	PROVISION OF SMALL TOOL FOR YOUTH WORKERS				
	Provide all youth workers with prescribed tools for their respective trades. Specification for the mentioned tools to be provide by the Service Provider. These tools will become the property of the youth workers after the completion of the programme(ref:SL 11.06.01)		Prov	Sum	R 90 800.00
	Profit and attendance (ref:SL11.06.02)	%	R 90 800.00		
10.11	APPOINTMENT OF YOUTH TEAM LEADER				
	Appointment of youth team leader for the duration of the contract (ref:SL 11.07.01)		Prov	Sum	R 90 000.00
	LIAISON WITH SERVICE PROVIDER (REF:SL 11.08)	HRS	100		
10.12	Supply and contract EPWP name board	item	1		
	LOGISTICS FOR EXIT WORKSHOPS				
	Provide logistics items for exit workshop (catering, orange Golf T-shirts), Venue Hire and Sound System)	item	1		
	Carried to Final Summary				



SUNDUMBILI MAGISTRATE OFFICE: ADDITIONAL ACCOMMODATION

PART B4 : CPG

CPG Bill of Quantities

Item	CONTRACT PARTICIPATION GOALS (CPG) DESCRIPTION	Unit	Item	Rate / %	Amount
	Note to tenderers: As CPGs may not provide any bidder a competitive advantage. Provisional amounts and fixed percentages for profit and attendance have been provided. Only the provisional amount will be adjusted once the awarded tender amount and/or the beneficiaries have been appointed, and the final values have been ascertained.				
1.0	MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS				
1.1	Provision is made for the Minimum Targeted Local Building Material Manufacturers CPG in the execution of this project as described in PG-01.1 (EC) / PG-01.2 (EC) SCOPE OF WORKS C3.7.2. Material to the value of R13 410 482.00 should be purchased from local manufacturers as defined in the CPG specifications in terms of locality				
1.2	Allowance for monitoring and monthly reporting on material purchased from Local Building Material Manufacturers by main contractor and subcontractors.	Item	1	670 524.09	670 524.09
1.3	Allowance for profit, all inclusive of associated costs to the contractor for implementation.	%	670 524.09	5%	33 526.20
1.4	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%	670 524.09	5%	33 526.20
2.0	MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS				
2.1	Provision is made for the Minimum Targeted Local Building Material Suppliers CPG in the execution of this project as described in PG-01.1 (EC) / PG-01.2 (EC) SCOPE OF WORKS C3.7.3. Material to the value of R13 410 482.00 should be purchased from local suppliers as defined in the CPG specifications in terms of locality				
2.2	Allowance for monitoring and monthly reporting on material purchased from Local Building Material Suppliers by main contractor and subcontractors.	Item	1	670 524.09	670 524.09
2.3	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%	670 524.09	5%	33 526.20
2.4	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%	670 524.09	5%	33 526.20
3.0	MINIMUM TARGETED LOCAL LABOUR SKILLS DEVELOPMENT				
3.1	Provision is made for the Minimum Targeted Local Labour Skills Development CPG in the execution of this project as described in PG-01.1 (EC) / PG-01.2 (EC) SCOPE OF WORKS C3.7.4. This allowance is for the cost for a suitably qualified and experienced training service provider appointed by the main contractor.	Item	1	1 564 556.22	1 564 556.22
3.2	Allowance for monitoring and monthly reporting on training provided by main contractor and subcontractors.	%	1 564 556.22	5%	78 227.81
3.3	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%	1 564 556.22	5%	78 227.81
3.4	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%	1 564 556.22	5%	78 227.81
4.0	MINIMUM TARGETED ENTERPRISE DEVELOPMENT				
4.1	Provision is made for 30 % compulsory subcontracting to SMMEs in the execution of this project as described in PG-01.1 (EC) / PG-01.2 (EC) SCOPE OF WORKS C3.7.1.				
4.2	A provisional amount has been allowed for in the execution of this project as described in PG-01.1 (EC) / PG-01.2 (EC) SCOPE OF WORKS C3.7.5. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.	Item	1	2 790 000.00	2 790 000.00
4.3	Allowance for monitoring and monthly reporting on SMME subcontracting by main contractor and subcontractors including training provided.	%	2 790 000.00	5%	139 500.00
4.4	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%	2 790 000.00	5%	139 500.00
4.5	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%	2 790 000.00	5%	139 500.00
5.0	MINIMUM TARGETED SKILLS DEVELOPMENT GOALS				
5.1	A provisional amount has been allowed for the Minimum Targeted Development CPG in the execution of this project as described in PG-01.1 (EC) / PG-01.2 (EC) SCOPE OF WORKS C3.7.6. <ul style="list-style-type: none"> • stipends payable to the beneficiaries • appointment of training coordinator • appointment of mentor (where applicable) • appointment of training service providers • other additional costs as per table 3 of the Standard 	Item	Item	1 542 205.41	1 542 205.41
5.2	Allowance for monitoring and monthly reporting on skills development by main contractor and subcontractors.	%	1 542 205.41	5%	77 110.27
5.3	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%	1 542 205.41	5%	77 110.27
5.4	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%	1 542 205.41	5%	77 110.27
6.0	NATIONAL YOUTH SERVICE TRAINING AND DEVELOPMENT PROGRAMME The programme shall be implemented in terms of the Implementation of the National Youth Service Programme under the Expanded Public Works (EPWP) and shall be priced in the CPG section of the Bills of Quantities. Provision has been made within the Contract Participation Goal section in the Bill of Quantities for the National Youth Service Training and Development Programme CPG in the execution of this project as described in PG-01.1 (EC) / PG-01.2 (EC) SCOPE OF WORKS C3.7.7. The contractor to price all applicable elements of this BOQ section.				
6.1	Refer to separate EPWP-NYS BOQ				
6.2	Allowance for monthly reporting based on the implementation of the EPWP-NYS as per the specifications and EPWP-NYS BOQ all inclusive of associated costs to the contractor.	Item	1	84000	84 000
7.0	LABOUR INTENSIVE PARTICIPATION GOAL				
7.1	Labour Intensive Participation Goal - Labour in tensive works to the value of R2,250,000.00 . Allowance for monitoring and monthly reporting on Works executed by means of Labour Intensive methods by main contractor and subcontractors.				
7.2	Allowance for monitoring and monthly reporting on Works executed by means of Labour Intensive methods by main contractor and subcontractors.	Item	1	378 000.00	378 000.00
7.3	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%	378 000.00	5%	18 900.00
	Sub-total of CPG Section			R	8 876 828.88

SUNDUMBILI MAGISTRATE OFFICE: ADDITIONAL ACCOMMODATION

SUMMARY – BUILDERS WORK, EPWP AND CPG

SUNDUMBILI MAGISTRATE OFFICE: ADDITIONAL ACCOMMODATION

SUMMARY - BUILDERS WORK AND EPWP

		Page	Amount	
1	BUILDING WORKS	161		
2	EXTERNAL WORKS	256		
3	EXTENDED PUBLIC WORKS PROGRAMME	258		
4	CPG	259	R 8 876 828	88
	Sub-Total Carried to Final Summary (Page FS1)			