

PART: 2

Section 3

Bill 8

Floor Coverings, Wall Linings, etc

Collection

Page No

Amount

79

80

Carried to Summary

R

Section 3

Bill 8

Floor Coverings, Wall Linings, etc

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
<p><u>SECTION 3</u></p>			
<p><u>BILL NO. 9</u></p>			
<p><u>METALWORK</u></p>			
<p>For preambles see "Model Preambles for Trades"</p>			
<p>SUPPLEMENTARY PREAMBLES</p>			
<p>Primer</p>			
<p>All surfaces of steelwork to be painted with one coat approved factory primer before leaving the workshop of the Manufacturer and all scratches, chips or blemishes to be made good on site after erection. All rates tendered must make provision for this as no claim will afterwards be entertained</p>			
<p>Descriptions</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>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.</p>			
<p><u>STEEL WINDOWS, DOORS, ETC.</u></p>			
<p><u>STEEL WINDOWS, DOORS, ETC.</u></p>			
<p>Carried to Collection</p>		R	
<p>Section 3 Bill 9 Metalwork DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE</p>			

Item		Quantity	Rate	Amount
1	<u>Standard residential windows with 10mm diameter mild steel burglar bars to opening sashes</u> 1550x1150 Purpose made fully glazed steel window with openable panel manufactured according to minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)	No	20	
2	600x500 Purpose made fully glazed steel window with openable panel manufactured according to minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)	No	11	
3	600x1500 Purpose made fully glazed steel window with openable panel manufactured according to minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)	No	4	
4	950x850 Purpose made fully glazed steel window with openable panel manufactured according to minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)	No	6	
Carried to Collection				R
Section 3 Bill 9 Metalwork DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		Quantity	Rate	Amount
5	750x200 Purpose made fully glazed steel window with openable panel manufactured according to minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)	No 8		
6	750x4100 Purpose made fully glazed steel window with openable panel manufactured according to minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)	No 18		
7	635x1200 Purpose made fully glazed steel window with openable panel manufactured according to minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)	No 9		
8	1550x900 Purpose made fully glazed steel window with openable panel manufactured according to minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)	No 11		
	Carried to Collection		R	
Section 3 Bill 9 Metalwork DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		No	Quantity	Rate	Amount
9	<p>2250x2250 Purpose made fully glazed steel window with openable panel manufactured according to minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)</p>	No	2		
10	<p>600x1000 Purpose made fully glazed steel window with openable panel manufactured according to the minimum requirements of AAAMSA; complete with frame perimeter continuously sealed against surrounding structure with one part high modulus fungus proof silicone rubber sealant to comply with SABS 1305 (PROVISIONAL)</p>	No	1		
	<u>Steel door frame</u>				
11	877x2132mm high (D6)	No	1		
12	1551x2064mm high (D11)	No	1		
	<p>20mm thick with 12mm Outer Plate, overall door frame: 2032.5H x 1000W mm</p>				
13	Strong room (D10)	No	1		
	<p>STEEL STRONGROOM DOORS, VENTILATORS, ETC</p>				
	<p><u>"Mutual and Safes" strongroom doors etc suitable for 230mm walls, fixed to brickwork or concrete</u></p>				
14	<p>Mutual Strong Room Door, Code DS2 10mm SABS Category 1</p>	No	1		
	<p>STEEL FLOORS, STAIRS,ETC</p>				
	<p>Carried to Collection</p>			R	
	<p>Section 3 Bill 9 Metalwork DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE</p>				

Item		Quantity	Rate	Amount
15	<u>Aluminium grating for access to Service Ducts Floors</u> 40 x 40 x 4 angle iron to support grating drilled at 250mm c/c with M12 sleeve anchors and galvanising . Steel to be cut to fit on site	m	140	
16	Grating R540 (40 x 4.5mm) to be cut on site to size and with cold galv paint. Supply and install with site work	m ²	6	
	Carried to Collection			
	Section 3 Bill 9 Metalwork DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R	

Section 3

Bill 9

Metalwork

Collection

Page No

Amount

82

83

84

85

86

Carried to Summary

R

Section 3

Bill 9

Metalwork

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item

Quantity

Rate

Amount

SECTION 3

BILL NO 10

IRONMONGERY

For preambles see "Model Preambles for Trades"

SUPPLEMENTARY PREAMBLES

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

LOCKS

Supply and install the following

Locks

1	HN-Nickel plated steel finish deadlock	No	12
2	37651LH Facility Indicator Bolt LH	No	12
3	CZ8941CHR Indicator bolt CH plated IMP	No	8
4	L-2215-78SS/SL Mortice sash lock SS	No	22

Door closers

5	Rack and pinion closer, DC120 HOLD OPEN	No	12
---	---	----	----

Carried to Collection

R

Section 3
Bill 10
Ironmongery
DE AAR MAGISTRATE COURT
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item		Quantity	Rate	Amount
<u>CATCHES AND LATCHES</u>				
19	Single door panic latch-single point central latch (Code: J-881-SIL) with outside access device (Code: J-855-SIL)	No	4	
20	ARC1182SS Adjustable Roller Catches	No	4	
HINGES, BOLTS, ETC				
21	Aluminium Flush bolt by door manufacturer	No	4	
22	Automated Flush Bolt	No	4	
SUNDRIES				
<u>Aluminium Hooks</u>				
23	Anodised silver coat hook rubber tipped	No	47	
24	Anodised Silver finish Helping Hand Paraplegic Facility Indicator Bolt 37651AS	No	2	
25	Anodised Silver finish Surface Mounted WC Indicator Bolt AL8098AS	No	14	
Carried to Collection				
Section 3				
Bill 10				
Ironmongery				
DE AAR MAGISTRATE COURT				
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				
				R

Section 3

Bill 10

Ironmongery

Collection

Page No

88

89

90

Amount

Carried to Summary

R

Section 3

Bill 10

Ironmongery

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
<u>SECTION 3</u>			
<u>BILL NO. 11</u>			
<u>PLASTERING</u>			
<u>Note:</u>			
1. The Tenderer is advised to refer to the Model Preambles and SABS 1200 before pricing this Bill			
2. Works below Surface bed level are included under Section 2 Bill 13 - External Works			
<u>EXTERNAL PLASTER</u>			
<u>One coat cement plaster and related labours, finished smooth with a steel trowel on:</u>			
1	Externally on Parapet Walls	m ²	379
2	Brick vertical surfaces in narrow widths	m ²	15
<u>Making good internal cement plaster, including any necessary hacking off and jointing to existing:</u>			
3	Walls in patches	m ²	600
<u>INTERNAL PLASTER</u>			
<u>20mm wood float plaster</u>			
4	On walls	m ²	1,295
<u>SCREEDS</u>			
Carried to Collection			R
Section 3 Bill 11 Plastering DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
5	<u>Screeds on concrete</u> a.b.e Construction Chemicals Polyurethane self levelling floor topping, all in accordance to manufacturer's recommendations and instructions.	m ²	638	
6	<u>Screeds finished smooth with a self levelling screed</u> Average 50mm thick on floors to falls minimum 1:60 fall on trafficable area and box planters	m ²	638	
7	<u>9mm thick steel trowel applied Vuka Crete HD by Vuka floors or similar and approved on 25mm cement sand screed steel floated on slab to Structural Engineer detail</u> On floor	m ²	73	
Carried to Collection				R
Section 3 Bill 11 Plastering DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Section 3

Bill 11

Plastering

Collection

Page No

Amount

92

93

Carried to Summary

R

Section 3

Bill 11

Plastering

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
SECTION 3			
BILL NO. 12			
TILING			
NOTES:			
The Tenderer is advised to refer to the Trade Preambles before pricing this Bill			
WALL TILES			
<u>600x300 x min 7.6 m thick glazed ceramic tiles or similar & approved, on adhesives and surface bed preparation to manufacturer recommendation with a white grout finish</u>			
1	On vertical surfaces	m ²	581
DIVIDING STRIPS, EDGES, TRIMS, ETC			
<u>3mm aluminium straight edge trim by Kirk Marketing or similar and approved</u>			
2	Porcelain to vinyl tiles	m	21
<u>30mm x 9mm Aluminium carpet gripper capping strip trim (ACGCS300) by Kirk Marketing or similar and approved</u>			
3	Between carpets and porcelain tiles	m	9
<u>Straight Edge 3mm height. Natural Anodised finish 2,5m length by Kirk Marketing or similar and approved</u>			
4	Between carpet and tile trim	No	2
<u>25mm x 12mm Natural Anodised Tile in Aluminium Stair Nosing by Kirk Marketing or similar and approved</u>			
5	Between porcelain tiles and stair nosing	m	23
Carried to Summary			R
Section 3 Bill 12 Tiling DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item

Quantity

Rate

Amount

SECTION 3

BILL NO. 13

GLAZING

Note:

1. The Tenderer is advised to refer to the Model Preambles before pricing this Bill
2. Works below Surface bed level are included under Section 2 Bill 13 - External works

TOPS, SHELVES, DOORS, MIRRORS, ETC

GLAZING TO STEEL

4mm. clear float glass

1

4mm
Glass

m²

79

6 mm thick clear float glass silver-backed mirror, size 450x900mm height with polished bevelled edges 4 times holed for and fixed, with chromium plated dome-headed mirror screws

2

On wall

No

19

Carried to Summary

R

Section 3
Bill 13
Glazing
DE AAR MAGISTRATE COURT
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
<u>SECTION 3</u>			
<u>BILL NO. 14</u>			
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
<u>Note:</u>			
1. The Tenderer is advised to refer to the Model Preambles before pricing this Bill			
2. Works below Surface bed level are included under Section 2 Bill 13 - External works			
<u>SANITARY FITTINGS</u>			
<u>Wash hand basins:</u>			
1	Vaal Sanitaryware' Vitreous China 560 x 415 mm (7006) rounded "Tuscany" basins with single centred tap hole configuration or similar and approved, with 40mm 316 cp basin waste and 1 no. 20mm and 365/40 cp bottle trap. Basin to be installed on Universal half pedestal with two 6mm fixing screws (code 715222) and secured to wall. Use white marine silicone sealant or equivalent and approved under pedestal foot and between basin and wall.	No	4
2	Vaal Vitreous china vandal proof Sanitaryware Hibiscus Elite (772404WH) or similar and approved close-coupled toilet suite complete with pan, front push button, lid and fitments.	No	20
3	Vaal Vitreous china Sanitary ware Kite Corner (VAA-700100WH) or similar and approved Corner wall-hung basin with three semi-punched tap holes, integrated rated overflow, and chain stay through the centre semi-punched tap hole	No	1
Carried to Collection			
Section 3 Bill 14 Plumbing and Drainage (Provisional) DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R

Item		Quantity	Rate	Amount
4	<p>Recessed hand wash basin & drinking fountain (Franke Model SAPSDF 356158) size 370 x 490 x 125 mm manufactured from Grade 304 (18/10) Stainless Steel with a gauge 1,2 mm thick. Basin & fountain combination to be manufactured as a welded construction with a 40 mm waste outlet and is to be recessed 125 mm into a single brick cavity. Basin is factory fitted with a self - closing metering bib tap at the top of the unit and is fitted with fixing lugs to secure the basin into the wall</p>	No	8	
	<u>Water closets:</u>			
5	<p>White colour; Vaal Sanitaryware vitreous china "Pearl Paraplegic" semi-close coupled 90° outlet open rim washdown pan and matching 9 litre cistern complete with lid, fitments, and purpose made C.P. side flushlever (left or right). Supplied with purpose made thermoset seat and cover plate.</p> <p>32 mm stainless steel side grab rail (code D12). 32 mm stainless steel rear grab rail around cistern (code SR2A). 32 mm Stainless Steel grab rail paraplegic side dogleg twice bent 45 degree 2 supports to manufacturer's installation details.</p>	No	4	
6	<p>Vaal Vitreous china vandal proof Sanitaryware Hibiscus Elite (772404WH) or similar and approved close-coupled toilet suite complete with pan, front push button, lid and fitments.</p>	No	20	
7	<p>SAPX597 Heavy Duty Wall and Floor Mounted WC Pan 395 x 550 x 485 mm high. Franke SA to manufacture unit from Grade 304 (18/10) Stainless Steel, 1,2 mm and 1,6 mm gauge. Unit to be manufactured with a pressed concealed flushing rim and integral "P" Trap with a 100 mm outlet pipe and a 38 mm back entry inlet pipe extended to 450 mm. The pan to be manufactured with a shroud, with external flanges for securing the pan through the wall and into floor with anchor bolts</p>	No	6	
	Carried to Collection			
	<p>Section 3 Bill 14 Plumbing and Drainage (Provisional) DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE</p>			
				R

Item		Quantity	Rate	Amount
	<u>Conceals:</u>			
8	Vaal Sanitary ware vitreous china wall hung "Flatback" urinal. Overall size 415 x 315 x 275 mm. Supplied with 38mm c.p. domical grating (code 8787Z0), c.p. top inlet spreader (code 8543Z0), and two hanger brackets (code 8127Z0) and cp bottle trap. Exposed top inlet flush valve (Cobra FJ6000 Flush master or equivalent with FJT 5.5 flush pipe).	No 4		
	WASTE UNIONS, ETC.			
9	Chrome domed push button slotted basin waste, for basins with an overflow, solid brass spindle mechanism	No 10		
	TRAPS, ETC.			
	<u>Equal and approved</u>			
10	32 x 40mm P- trap	No 20		
11	Concealed Duravit urinal trap	No 4		
12	Chrome Cylinder bottle trap for basins with exposed trap outlet part number : ACCAESPARXX005	No 22		
	TAPS, VALVES, ETC.			
13	Elbow action (505-21R) by Cobra or similar and approved, square type pillar tap with a red indice. ½" BSP male inlet. SANS 226 TYPE 2	No 4		
14	Aquamix S - Aqua 200 Self Closing Hot / Cold Mixer Tap by Franke or similar and approved	No 18		
	Carried to Collection			
	Section 3			
	Bill 14			
	Plumbing and Drainage (Provisional)			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

R

Item		Quantity	Rate	Amount
15	Faceplate: PA-851, by Cobra or similar and approved, installed to manufacturer's recommendations and specifications (SANS 1480). Single lever basin mixer. ½" BSP female inlets.	No	2	
16	Electronic: EL-3005 Sensor activated, Urinal flush valve with a stainless steel faceplate.	No	2	
17	Splashworks urinal valve	No	2	
SANITARIES				
"Bathroom Butler				
18	Golden Touch Soap Dispenser Lockable 1200ml – Stainless Steel by Volkem or similar and approved.	No	20	
19	Double toilet roll holder by Franke (RODX672) with spindle system for wall mounting, stainless steel, surface satin finished, material thickness 0.8 mm, folded front cover, cylinder lock with Franke standard key, for 2 rolls with max. Ø 120 mm, second roll will be released after consumption of first roll, with spindles, reserve roll not visible, incl. stainless steel screws and dowels	No	20	
20	Excel Manual Paper Towel Dispenser (HD/08) made from Grade 304 1.2mm brushed stainless steel finish by Volkem or similar and approved, complete with 330mm x 200mm x 413mm stainless steel Excel Wastecare 27 litre Bin (SW/13)	No	12	
21	12L pedal operated sanitary waste in each cubicle supplied by Volkem hygiene or similar approved (width 435mm x height 465mm x dept 115mm.)	No	8	
Carried to Collection				
Section 3				
Bill 14				
Plumbing and Drainage (Provisional)				
DE AAR MAGISTRATE COURT				
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				
				R

Section 3

Bill 14

Plumbing and Drainage (Provisional)

Collection

Page No

Amount

97

98

99

100

101

Carried to Summary

R

Section 3

Bill 14

Plumbing and Drainage (Provisional)

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
SECTION 3			
BILL NO. 15			
PAINTWORK			
<u>Note:</u>			
1. The Tenderer is advised to refer to the Model Preambles before pricing this Bill			
2. Works below Surface bed level are included under Section 2 Bill 13 - External works			
NEW SURFACE			
INTERNAL WALLS, ETC.			
<u>1 coat undercoat as per manufacturer's Paint Specification and 2 coats stain resistant and washable water based smooth low sheen colour to later specification</u>			
1	Plastered walls	m ²	676
<u>1 undercoat and 2 coats ceiling matt finish to SABS 1586 to paint manufacturer's application specifications</u>			
2	Ceiling and cornices	m ²	132
WOOD			
<u>One coat oilwood primer and two coats approved paint on:</u>			
3	Timber doors	m ²	101
4	Balustrades	m ²	7
METAL			
Carried to Collection			R
Section 3 Bill 15 Paintwork DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
	<u>Scrub down and paint 2 coats clear varnish</u>			
5	On door frames	m ²	30	
	<u>1 coat primer and 2 coats approved paint colour</u>			
6	On door frames	m ²	27	
PREVIOUSLY PAINTED SURFACE				
INTERNAL WALLS, ETC.				
	<u>1 coat undercoat as per manufacturer's Paint Specification and 3 coats Anti graffiti stain resistant and washable water based smooth low sheen colour to later specification</u>			
7	On plastered walls	m ²	369	
	<u>1 coat undercoat as per manufacturer's Paint Specification and 2 coats stain resistant and washable water based smooth low sheen colour to later specification</u>			
8	On plastered walls	m ²	498	
EXTERNAL WALLS				
	<u>Face Brick enhancing natural colour (CLEAR) Brick seal by Kansai Plascon or similar and approved to strict manufacturer's specifications</u>			
9	On face brickwork	m ²	18	
Carried to Collection				R
Section 3				
Bill 15				
Paintwork				
DE AAR MAGISTRATE COURT				
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Section 3

Bill 15

Paintwork

Collection

Page No

103

104

Amount

Carried to Summary

R

Section 3

Bill 15

Paintwork

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Bill No	SECTION SUMMARY - Building Works	Page No	Amount
1	Alterations (Provisional)	59	
2	Concrete, Formwork and Reinforcements (Provisional)	62	
3	Masonry	63	
4	Waterproofing	64	
5	Roof Coverings	68	
6	Carpentry and Joinery	73	
7	Ceilings, Partitions and Access flooring	78	
8	Floor Coverings, Wall Linings, etc	81	
9	Metalwork	87	
10	Ironmongery	91	
11	Plastering	94	
12	Tiling	95	
13	Glazing	96	
14	Plumbing and Drainage (Provisional)	102	
15	Paintwork	105	
	Carried to Final Summary		
	Section 3 DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE		R

Item

Quantity

Rate

Amount

SECTION 4

BILL NO. 1

PROVISIONAL SUMS, BUDGETARY ALLOWANCE, ETC

Note:

1. The following budgetary allowances are for work to be designed by the Architect, executed by the Contractor and measured and valued by the Quantity Surveyor in terms of Clause 28 of the Conditions of the Contract.
2. All Provisional Sums are nett and do not include a 5% cash discount to the Contractor.
3. Under no circumstances may any Provisional Sum be extended at an amount lower than the amount stated.
4. Unless specific percentage mark-ups for profit and attendance are indicated in the Rate column, the amount priced by the Contractor for profit and attendance against each Provisional Sum shall be deemed to be lump sum prices and shall not be adjusted unless the scope of the sub-contract varies significantly.

Carried to Collection

R

Section 4
Bill 1
Provisional Sums
DE AAR MAGISTRATE COURT
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
<u>PROVISIONAL SUMS FOR SELECTED/NOMINATED SUBCONTRACT WORKS</u>			
Carpentry and Joinery			
1			
Allow the sum of R 2 400 000.00 (Two Million, Four Hundred Thousand Rand) for Carpentry and Joinery	Item		2,400,000.00
2			
Allow for profit	Item		
3			
Allow for attendance	Item		
Lightweight Steel Roof Structure			
4			
Allow the sum of R 1 500 000.00 (One Million, Five Hundred Thousand Rand) for light weight steel roof structure	Item		1,500,000.00
5			
Allow for profit	Item		
6			
Allow for attendance	Item		
Community Liason Officer			
7			
Budgetary Allowance of R 100 000.00(One Hundred Thousand Rand) for Community Liason Officer	Item		100,000.00
Carried to Collection			R
Section 4 Bill 1 Provisional Sums DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Section 4

Bill 1

Provisional Sums

Collection

Page No

Amount

107

108

Carried to Final Summary

R

Section 4

Bill 1

Provisional Sums

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
<u>SECTION NO 5</u>			
<u>BILL NO 1</u>			
CONTRACT PARTICIPATION GOALS (CPG) DESCRIPTION			
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.			
MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS			
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 R1000,000.00 (ONE MILLION RAND ONLY) should be purchased from local suppliers as defined in the CPG specifications in terms of locality, based on determination by PQS taking into account specific project variables.	Item	1,000,000.00
2	Allowance for monitoring and monthly reporting on material purchased from Local Building Material Suppliers by main contractor and subcontractors at 5%	%	
3	Allowance for profit all inclusive of associated costs to the contractor for implementation at 5%	%	
4	Allowance for attendance all inclusive of associated costs to the contractor for implementation at 5%	%	
Carried to Collection			R
Section 5 Bill 1 Allowance for CPG DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item	Quantity	Rate	Amount
MINIMUM TARGETED LOCAL LABOUR SKILLS DEVELOPMENT			
5		Item	500,000.00
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.			
6		%	
Allowance for monitoring and monthly reporting on training provided by main contractor and subcontractors at 5%			
7		%	
Allowance for profit all inclusive of associated costs to the contractor for implementation at 5%			
8		%	
Allowance for attendance all inclusive of associated costs to the contractor for implementation at 5%			
MINIMUM TARGETED ENTERPRISE DEVELOPMENT			
9		%	
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. The percentage is the contractors allowance for the P&G's for the (7.5)% sub-contractors (SMME's).The PQS is to define the actual P&G items applicable to the SMME's e.g. scaffolding , PPE etc.			
10		Item	650,000.00
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.			
Carried to Collection			R
Section 5 Bill 1 Allowance for CPG DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
11	Allowance for monitoring and monthly reporting on SMME subcontracting by main contractor and subcontractors including training provided at 1%		%	
12	Allowance for profit all inclusive of associated costs to the contractor for implementation at 1%		%	
13	Allowance for attendance all inclusive of associated costs to the contractor for implementation at 1%		%	
MINIMUM TARGETED SKILLS DEVELOPMENT GOALS				
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.				
14	<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 	Item		300,000.00
15	Allowance for monitoring and monthly reporting on skills development by main contractor and subcontractors at 5%		%	
16	Allowance for profit all inclusive of associated costs to the contractor for implementation at 5%		%	
17	Allowance for attendance all inclusive of associated costs to the contractor for implementation at 5%		%	
LABOUR INTENSIVE PARTICIPATION GOAL				
Carried to Collection				
Section 5 Bill 1 Allowance for CPG DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				R

Item	Quantity	Rate	Amount
<p>Labour Intensive Participation Goal - Labour in intensive works to the value of R1,000,000.00 should be purchased from local suppliers as defined in the CPG specifications in terms of locality, based on determination by PQS taking into account specific project variables. Allowance for monitoring and monthly reporting on Works executed by means of Labour Intensive methods by main contractor and subcontractors.</p>			
<p>18 Allowance for monitoring and monthly reporting on Works executed by means of Labour Intensive methods by main contractor and subcontractors at 2%</p>		%	
<p>19 Allowance for profit all inclusive of associated costs to the contractor for implementation at 5%</p>		%	
<p>Carried to Collection</p>			R
<p>Section 5 Bill 1 Allowance for CPG DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE</p>			

Section 5

Bill 1

Allowance for CPG

Collection

Page No

Amount

110

111

112

113

Carried to Final Summary

R

Section 5

Bill 1

Allowance for CPG

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
SECTION 6			
<u>ELECTRICAL WORKS</u>			
GROUND FLOOR			
DISTRIBUTION BOARDS			
<u>Supply, install, connect, test and commissioning of the distribution board in the position as indicated on the drawings, complete with all internal equipment, switchgear and wiring as shown on the schematic wiring diagrams. Including all wire trays, doors, labels, legend cards, bus bars, conduit connections and wiring connections. (Supply of cable connections are excluded).</u>			
1	Disconnect and remove existing damaged GROUND FLOOR DB and DB tray.	No	1
New LV Distribution Board DB-A (normal power section)			
2	Supply	No	1
3	Install	No	1
LOW VOLTAGE CABLES			
<u>Supply, delivery and installation of the following copper cables between the various distribution points in trenches or sleeves or on cable ladders as specified including delivery on site, unloading and storing. Stranded copper core, VC/PVC/SWA/PVC 600/1000V copper cables.</u>			
70mm² x 4-core copper PVC/PVC/SWA/PVC cable			
4	Supply	m	80
5	Install	m	80
Carried to Collection			R
Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item			Quantity	Rate	Amount
	16 mm² x 4-core copper PVC/PVC/SWA/PVC cable				
6	Supply	m	60		
7	Install	m	60		
	CABLE GLANDS				
	<u>Supply and installation of all cable glands complete with neoprene shroud, brass lock nuts, cable crimping lugs, cut-off cable gland openings in boards and gland plates connected to the relevant cable.</u>				
	70mm² x 4-core copper PVC/PVC/SWA/PVC cable				
8	Supply	No	2		
9	Install	No	2		
	16mm² x 4-core copper PVC/PVC/SWA/PVC cable				
10	Supply	No	4		
11	Install	No	4		
	BARE EARTH WIRE				
	<u>Supply and installation of bare stranded copper earth wire strapped to the relative size PVC insulated copper cables at 600mm (minimum) intervals including terminations at both ends of each earth wire.</u>				
	35mm² bare stranded copper conductor				
12	Supply	m	80		
13	Install	m	80		
	Carried to Collection				R
Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE					

Item		Quantity	Rate	Amount
	10 mm² bare stranded copper conductor			
14	Supply	m	60	
15	Install	m	60	
	SLEEVE			
	<u>Supply, delivery and installation of all sleeves for the low tension cables installed in trenches, bedding and walls of building complete with adapters between standard lengths.</u>			
	50 mm diameter sleeve			
16	Supply	m	7	
17	Install	m	7	
	CABLE LADDERS			
	<u>Supply and installation of type O-Line (OL55) litespan, galvanised cable ladders, including all T-offs, bends, OL 1000 canti-levers, suspended threaded rods, splice sets, joint and connection pieces, fixing screws and cutting of cable ladders where required.</u>			
	100mm wide x 55mm high cable ladder			
18	Supply	m	1	
19	Install	m	1	
	150mm wide x 55mm high cable ladder			
20	Supply	m	60	
21	Install	m	60	
	200mm wide x 55mm high cable ladder			
22	Supply	m	1	
	Carried to Collection			R
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item			Quantity	Rate	Amount
23	Ins	m	1		
MANHOLES					
<u>Supply, delivery and installation of all brick manholes for the for the electrical, Telkom and data services complete with cast iron covers.</u>					
600 x 600 x 700mm Manhole (PROVISIONAL)					
24	Supply	No	1		
25	Install	No	1		
CONDUIT					
<u>Conduit, including all couplings, locknuts and plugs, fixing saddles and screws, cutting, bending, reaming, fixing, cleaning for wiring purposes including chasing in brick walls, concrete with making good prior to plastering OR surface mounted to roof trusses or walls. Including galvanised steel saddles for PVC conduit and galvanised steel spacer saddles for galvanised surface mounted conduit.</u>					
20mm dia. PVC					
26	Supply	m	885		
27	Install	m	885		
25mm dia. PVC					
28	Supply	m	214		
29	Install	m	214		
32mm dia. PVC					
30	Supply	m	1		
31	Install	m	1		
Carried to Collection					R
Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE					

Item		Quantity	Rate	Amount
	20mm dia. GALVANISED			
32	Supply	m	1	
33	Install	m	1	
	25mm dia. GALVANISED			
34	Supply	m	1	
35	Install	m	1	
	32mm dia. GALVANISED			
36	Supply	m	1	
37	Install	m	1	
	25mm flexible conduit/sprague (fire detection)			
38	Supply	m	200	
39	Install	m	200	
	DRAW BOXES			
	<u>Supply and installation of pressed steel hot dipped galvanised boxes for sockets, draw boxes, etc. flush mounted in brickwork, cast into concrete or chased into brick walls including making good prior to plastering and connected to the conduit installation as specified</u>			
	100 x 50 x 50 mm boxes			
40	Supply	No	50	
41	Install	No	50	
	100 x 100 x 50 mm boxes			
42	Supply	No	20	
43	Install	No	20	
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R	

Item			Quantity	Rate	Amount
69	Install	No	1		
	SWITCH SOCKETS FOR FLUSH INSTALLATION				
	<u>Supply and installation of sockets installed in flush and galvanised draw boxes complete with socket fixing screws, TYPE Crabtree steel or equal and approved.</u>				
	16A 3-pin single switch socket with cover plate (standard)				
70	Supply	No	20		
71	Install	No	20		
	16A 3-pin double switch socket with cover plate (standard)				
72	Supply	No	10		
73	Install	No	10		
	16A 3-pin single switch socket with cover plate mounted in 2-channel power skirting (standard)				
74	Supply	No	20		
75	Install	No	20		
	16A 3-pin single dedicated switch socket with cover plate mounted in 2-channel power skirting (computer)				
76	Supply	No	40		
77	Install	No	40		
	16A 3-pin single dedicated switch socket with cover plate and purple yoke mounted in 2-channel power skirting (clean power)				
78	Supply	No	1		
	Carried to Collection				R
	Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		Quantity	Rate	Amount
79	Install 16A 3-pin single switch socket in padlockable weatherproof enclosure	No	1	
80	Supply	No	2	
81	Install 5A 3-pin single socket in ceiling void	No	2	
82	Supply	No	90	
83	Install Type O-line UDF underfloor box - DU6025	No	90	
84	Supply	No	1	
85	Install Type O-line UDF underfloor box - DU69035	No	1	
86	Supply	No	1	
87	Install 45A, 3-pin industrial socket, male and female for interior application - UPS installations.	No	1	
88	Supply	No	1	
89	Install	No	1	
	POWER SKIRTING <u>Epoxy-coated steel including all splices, T-pieces, end caps, corner units, cover plates, fixing screws, cutting and cleaning for wiring purposes</u> O-line MS2 multi-skirt, two compartment powerskirting			
90	Supply	m	50	
	Carried to Collection			R
	Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
91	Install	m	50	
	WIRE CHANNELS/TRUNKING			
	<u>Galvanised trunking including all splices, T-pieces, end caps, corner units, cover plates, fixing screws, cutting and cleaning for wiring purposes and cut outs for 5A sockets for light fittings where required.</u>			
	O-line 8000, 76 x 76mm (small power & lighting)			
92	Supply	m	1	
93	Install	m	1	
	O-line 9000, 127 x 76mm (small power & lighting)			
94	Supply	m	120	
95	Install	m	120	
	WIRING BASKETS			
	<u>Light duty galvanised wiremesh baskets including all splices, T-pieces, bends, fixing screws, cutting and cleaning for wiring purposes in the ceiling void for electronic, telkom and data services, including supports to steel and timber roof trusses.</u>			
	O-line GS 50, 100mm wide			
96	Supply	m	50	
97	Install	m	50	
	O-line GS 50, 150mm wide			
98	Supply	m	50	
99	Install	m	50	
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

R

Item		Quantity	Rate	Amount
	30A triple pole isolating switch with cover plate			
110	Supply	No 1		
111	Install	No 1		
	60A double pole isolating switch with cover plate			
112	Supply	No 1		
113	Install	No 1		
	60A triple pole isolating switch with cover plate			
114	Supply	No 1		
115	Install	No 1		
	ISOLATING SWITCHES FOR SURFACE INSTALLATION			
	<u>Supply and installation of surface mounted, TYPE York weatherproof isolating switches for power points complete with 100 x 100 x 50 galvanized draw box complete with cover plate and fixing screws, TYPE Crabtree steel or equal and approved.</u>			
	20A double pole isolating switch with cover plate			
116	Supply	No 13		
117	Install	No 13		
	30A double pole isolating switch with cover plate			
118	Supply	No 1		
119	Install	No 1		
	Carried to Collection		R	
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item			Quantity	Rate	Amount
131	Install	No	4		
	16A single lever intermediate switch with cover plate				
132	Supply	No	2		
133	Install	No	2		
	16A single lever one-way vandal resistant switch including vandal resistant holder/enclosure				
134	Supply	No	1		
135	Install	No	1		
	16A infra-red motion sensor				
136	Supply	No	15		
137	Install	No	15		
	CONDUCTORS				
	<u>PVC insulated stranded copper conductors for electrical circuits installed in conduit, power skirting, bed-head trunking, wiring channels, etc., grouped and connected to equipment (All wasted cut-offs must be included in the tender price).</u>				
	1.5mm²				
138	Supply	m	1,212		
139	Install	m	1,212		
	2.5mm²				
140	Supply	m	937		
141	Install	m	937		
	Carried to Collection				R
Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE					

Item		Quantity	Rate	Amount	
	4 mm²				
142	Supply	m 50			
143	Install	m 50			
	6mm²				
144	Supply	m 1			
145	Install	m 1			
	<u>Bare stranded copper earth wire for all electrical circuits installed in conduit, power skirting, bed-head trunking, wiring channels, etc., grouped and connected to the equipment. (All wasted cut-offs must be included in the tender price).</u>				
	2.5 mm²				
146	Supply	m 974			
147	Install	m 974			
	4 mm²				
148	Supply	m 1			
149	Install	m 1			
	6 mm²				
150	Supply	m 1			
151	Install	m 1			
	10 mm²				
152	Supply	m 1			
153	Install	m 1			
	Carried to Collection			R	
	Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		Quantity	Rate	Amount
	<u>Insulated stranded copper earth wire for all electrical circuits installed in conduit, power skirting, bed-head trunking, wiring channles, etc., grouped and connected to the equipment. (All wasted cut-offs must be included in the tender price).</u>			
	2.5 mm²			
154	Supply	m 1		
155	Install	m 1		
	4 mm²			
156	Supply	m 1		
157	Install	m 1		
	6 mm²			
158	Supply	m 1		
159	Install	m 1		
	10 mm²			
160	Supply	m 1		
161	Install	m 1		
162	Disconnect and remove existing wiring	m 3,173		
	CONNECTIONS TO EQUIPMENT			
	<u>Supply and installation of the complete termination sets, including spragues, terminations, etc. required for each of the following equipment</u>			
	Termination at AIR CONDITIONING/EXTRACTION FAN units			
163	Supply	No 5		
	Carried to Collection			
	Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
164	Install	No	5	
	Termination at LIFT			
165	Supply	No	1	
166	Install	No	1	
	Termination at HOT WATER CYLINDER			
167	Supply	No	1	
168	Install	No	1	
	LIGHT FITTINGS			
	<u>Supply and installation of the following LED light fittings as per the light fitting schedule including lamps, LED controllers, wiring, connections and earthing.</u>			
	Type A-600 x 1200 recessed LED Panel			
169	Supply	No	33	
170	Install	No	33	
	Type Ae-600 x 1200 recessed LED Panel			
171	Supply	No	4	
172	Install	No	4	
	Type B-600 x 600 recessed LED Panel			
173	Supply	No	17	
174	Install	No	17	
	Type Be-600 x 600 recessed LED Panel			
175	Supply	No	3	
176	Install	No	3	
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
	Type A1-600 x 1200 surface LED Panel			
177	Supply	No 1		
178	Install	No 1		
	Type B1-600 x 600 surface LED Panel			
179	Supply	No 1		
180	Install	No 1		
	Type C			
181	Supply	No 19		
182	Install	No 19		
	Type Ce			
183	Supply	No 5		
184	Install	No 5		
	Type D			
185	Supply	No 12		
186	Install	No 12		
	Type E			
187	Supply	No 4		
188	Install	No 4		
	Type F			
189	Supply	No 5		
190	Install	No 5		
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R	

Item		Quantity	Rate	Amount
	Type Fe			
191	Supply	No 2		
192	Install	No 2		
	Type G			
193	Supply	No 1		
194	Install	No 1		
	Type P-PHOTOCELL			
195	Supply	No 1		
196	Install	No 1		
	TELEPHONE INSTALLATION			
	<u>Supply and installation of recessed mounted termination boards complete with architrave frame with wooden backing board and padlockable door</u>			
	450 x 450 x 150 mm (recessed)			
197	Supply	No 3		
198	Install	No 3		
	<u>Supply and installation of 100 x 50 grid flush telephone socket in wall complete with surrounds.(Confirm exact type prior to ordering)</u>			
199	Supply	No 1		
200	Install	No 1		
	<u>Supply and installation of 100 x 50 grid flush krone telephone outlet in cottage pedestal complete with fixing screws.(Confirm exact type prior to ordering)</u>			
201	Supply	No 1		
	Carried to Collection		R	
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
	<u>Supply and installation of galvanised steel draw wires installed in all conducts and sleeves. Any additional items that the tenderer deems necessary for the successful and total completion of the work required for this contract. (Specify)</u>			
211	Supply	m	50	
212	Install	m	50	
	COMMISSIONING AND COC			
213	Tenderers to allow for all the commissioning requirements, including testing, issue of COC for electrical installation, attendance, as-built drawings, manuals, etc. as set out in this specification and bills of quantities, prior to the installation being taken over as complete		Item	
	GENERAL ITEMS			
214	Any additional items that the tenderer deems necessary for the successful and total completion of the work required for this contract. (Specify)		Item	
	FIRST FLOOR			
	DISTRIBUTION BOARDS			
	<u>Supply, install, connect, test and commissioning of the distribution board in the position as indicated on the drawings, complete with all internal equipment, switchgear and wiring as shown on the schematic wiring diagrams. Including all wire trays, doors, labels, legend cards, bus bars, conduit connections and wiring connections. (Supply of cable connections are excluded).</u>			
215	Disconnect and remove existing damaged FIRST FLOOR DB and DB tray.	No	1	
	Carried to Collection			
	Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item			Quantity	Rate	Amount
	<u>No</u> LV Distribution Board DB-B (normal power section)				
216	Supply	No	1		
217	Install	No	1		
	LOW VOLTAGE CABLES				
	<u>Supply, delivery and installation of the following copper cables between the various distribution points in trenches or sleeves or on cable ladders as specified including delivery on site, unloading and storing. Stranded copper core, PVC/PVC/SWA/PVC 600/1000V copper cables.</u>				
	16mm² x 4-core copper PVC/PVC/SWA/PVC cable				
218	Supply	m	10		
219	Install	m	10		
	6mm² x 4-core copper PVC/PVC/SWA/PVC cable				
220	Supply	m	15		
221	Install	m	15		
	CABLE GLANDS				
	<u>Supply and installation of all cable glands complete with neoprene shroud, brass lock nuts, cable crimping lugs, cut-off cable gland openings in boards and gland plates connected to the relevant cable.</u>				
	16mm² x 4-core copper PVC/PVC/SWA/PVC cable				
222	Supply	No	2		
223	Install	No	2		
	Carried to Collection				
	Section 6				
	Bill 1				
	Electrical Works				
	DE AAR MAGISTRATE COURT				
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

R

Item		Quantity	Rate	Amount
	<u>Conduit, including all couplings, locknuts and pins, fixing saddles and screws, cutting, bending, reaming, fixing, cleaning for wiring purposes including chasing in brick walls, concrete with making good prior to plastering OR surface mounted to roof trusses or walls. Including galvanised steel saddles for PVC conduit and galvanised steel spacer saddles for galvanised surface mounted conduit.</u>			
	20mm dia. PVC			
240	Supply	m	777	
241	Install	m	777	
	25mm dia. PVC			
242	Supply	m	214	
243	Install	m	214	
	32mm dia. PVC			
244	Supply	m	1	
245	Install	m	1	
	20mm dia. GALVANISED			
246	Supply	m	1	
247	Install	m	1	
	25mm dia. GALVANISED			
248	Supply	m	1	
249	Install	m	1	
	32mm dia. GALVANISED			
250	Supply	m	1	
251	Install	m	1	
	Carried to Collection			
	Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R	

Item		Quantity	Rate	Amount
	300 x 300 x 150 mm boxes			
264	Supply	No 1		
265	Install	No 1		
	450 x 450 x 150 mm boxes			
266	Supply	No 1		
267	Install	No 1		
	600 x 600 x 150 mm boxes			
268	Supply	No 1		
269	Install	No 1		
	<u>Draw box cover plates with box lid fixing screws</u>			
	Blank 100 x 50 mm cover plates			
270	Supply	No 1		
271	Install	No 1		
	Blank 100 x 100 mm cover plates			
272	Supply	No 1		
273	Install	No 1		
	Blank 150 x 150 mm cover plates			
274	Supply	No 1		
275	Install	No 1		
	Blank 300 x 300 mm cover plates			
276	Supply	No 1		
277	Install	No 1		
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
	<u>Supply and installation of sockets installed in flush and galvanised draw boxes complete with socket fixing screws, TYPE Crabtree steel or equal and approved.</u>			
	16A 3-pin single switch socket with cover plate (standard)			
286	Supply	No 20		
287	Install	No 20		
	16A 3-pin double switch socket with cover plate (standard)			
288	Supply	No 4		
289	Install	No 4		
	16A 3-pin single switch socket with cover plate mounted in 2-channel power skirting (standard)			
290	Supply	No 20		
291	Install	No 20		
	16A 3-pin single dedicated switch socket with cover plate mounted in 2-channel power skirting (computer)			
292	Supply	No 40		
293	Install	No 40		
	16A 3-pin single dedicated switch socket with cover plate and purple yoke mounted in 2-channel power skirting (clean power)			
294	Supply	No 1		
295	Install	No 1		
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R	

Item		Quantity	Rate	Amount
WIRING CHANNELS/TRUNKING				
<u>Galvanised trunking including all splices, T-pieces, end caps, corner units, cover plates, fixing screws, cutting and cleaning for wiring purposes and cut outs for 5A sockets for light fittings where required.</u>				
O-line 8000, 76 x 76mm (small power & lighting)				
308	Supply	m	1	
309	Install	m	1	
O-line 9000, 127 x 76mm (small power & lighting)				
310	Supply	m	120	
311	Install	m	120	
WIRING BASKETS				
<u>Light duty galvanised wire mesh baskets including all splices, T-pieces, bends, fixing screws, cutting and cleaning for wiring purposes in the ceiling void for electronic, telkom and data services, including supports to steel and timber roof trusses.</u>				
O-line GS 50, 100mm wide				
312	Supply	m	50	
313	Install	m	50	
O-line GS 50, 150mm wide				
314	Supply	m	50	
315	Install	m	50	
Carried to Collection				R
Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		Quantity	Rate	Amount
	Cable GS 50, 200mm wide			
316	Supply	m	120	
317	Install	m	120	
	ISOLATING SWITCHES FOR FLUSH INSTALLATION			
	<u>Supply and installation of flush mounted isolating switches for power points complete with 100 x 100 x 50mm galvanised draw box complete with cover plate and fixing screws, TYPE Crabtree steel or equal and approved.</u>			
	20A double pole isolating switch with cover plate			
318	Supply	No	4	
319	Install	No	4	
	20A double pole isolating switch with cover plate in 2-channel power skirting			
320	Supply	No	1	
321	Install	No	1	
	30A double pole isolating switch with cover plate			
322	Supply	No	1	
323	Install	No	1	
	30A triple pole isolating switch with cover plate			
324	Supply	No	1	
325	Install	No	1	
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
				R

Item			Quantity	Rate	Amount
	60A double pole isolating switch with cover plate				
326	Supply	No	1		
327	Install	No	1		
	60A triple pole isolating switch with cover plate				
328	Supply	No	1		
329	Install	No	1		
	ISOLATING SWITCHES FOR SURFACE INSTALLATION				
	<u>Supply and installation of surface mounted, TYPE York weatherproof isolating switches for power points complete with 100 x 100 x 50 galvanized draw box complete with cover plate and fixing screws, TYPE Crabtree steel or equal and approved.</u>				
	20A double pole isolating switch with cover plate				
330	Supply	No	13		
331	Install	No	13		
	30A double pole isolating switch with cover plate				
332	Supply	No	1		
333	Install	No	1		
	30A triple pole isolating switch with cover plate				
334	Supply	No	2		
335	Install	No	2		
	Carried to Collection				
	Section 6				
	Bill 1				
	Electrical Works				
	DE AAR MAGISTRATE COURT				
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				
				R	

Item		Quantity	Rate	Amount
	60A double pole isolating switch with cover plate			
336	Supply	No 1		
337	Install	No 1		
	60A triple pole isolating switch with cover plate			
338	Supply	No 1		
339	Install	No 1		
	100A triple pole isolating switch with cover plate			
340	Supply	No 1		
341	Install	No 1		
	LIGHT SWITCHES			
	<u>Supply and installation of the light switches installed in 100 x 50 x 50 mm deep galvanised draw box or 65mm deep round box complete with fixing screws and cover plate, TYPE Crabtree steel or equal and approved.</u>			
	16A single lever one-way with cover plate			
342	Supply	No 20		
343	Install	No 20		
	16A single lever two-way with cover plate			
344	Supply	No 4		
345	Install	No 4		
	16A single lever intermediate switch with cover plate			
346	Supply	No 2		
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
347	Install 16A single lever one-way vandal resistant switch including vandal resistant holder/enclosure	No 2		
348	Supply	No 1		
349	Install 16A infra-red motion sensor	No 1		
350	Supply	No 15		
351	Install	No 15		
	CONDUCTORS <u>PVC insulated stranded copper conductors for electrical circuits installed in conduit, power skirting, bed-head trunking, wiring channels, etc., grouped and connected to equipment (All wasted cut-offs must be included in the tender price).</u>			
	1.5mm²			
352	Supply	m 784		
353	Install	m 784		
	2.5mm²			
354	Supply	m 1,056		
355	Install	m 1,056		
	4mm²			
356	Supply	m 50		
357	Install	m 50		
	Carried to Collection			
	Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R	

Item		Quantity	Rate	Amount
	2. mm²			
368	Supply	m 30		
369	Install	m 30		
	4 mm²			
370	Supply	m 1		
371	Install	m 1		
	6 mm²			
372	Supply	m 1		
373	Install	m 1		
	10 mm²			
374	Supply	m 1		
375	Install	m 1		
376	Disconnect and remove existing wiring	m 2,745		
	CONNECTIONS TO EQUIPMENT			
	<u>Supply and installation of the complete termination sets, including spragues, terminations, etc. required for each of the following equipment</u>			
	Termination at AIR CONDITIONING/EXTRACTION FAN units			
377	Supply	No 5		
378	Install	No 5		
	Termination at LIFT			
379	Supply	No 1		
	Carried to Collection		R	
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
380	Installation	No	1	
	Termination at HOT WATER CYLINDER			
381	Supply	No	1	
382	Install	No	1	
	LIGHT FITTINGS			
	<u>Supply and installation of the following LED light fittings as per the light fitting schedule including lamps, LED controllers, wiring, connections and earthing.</u>			
	Type A-600 x 1200 recessed LED Panel			
383	Supply	No	33	
384	Install	No	33	
	Type Ae-600 x 1200 recessed LED Panel			
385	Supply	No	3	
386	Install	No	3	
	Type B-600 x 600 recessed LED Panel			
387	Supply	No	17	
388	Install	No	17	
	Type Be-600 x 600 recessed LED Panel			
389	Supply	No	3	
390	Install	No	3	
	Type A1-600 x 1200 surface LED Panel			
391	Supply	No	1	
392	Install	No	1	
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item			Quantity	Rate	Amount
	Type B1-600 x 600 surface LED Panel				
393	Install	No	1		
394	Install	No	1		
	Type C				
395	Supply	No	18		
396	Install	No	18		
	Type Ce				
397	Supply	No	5		
398	Install	No	5		
	Type D				
399	Supply	No	5		
400	Install	No	5		
	Type E				
401	Supply	No	1		
402	Install	No	1		
	Type F				
403	Supply	No	1		
404	Install	No	1		
	Type Fe				
405	Supply	No	2		
406	Install	No	2		
	Carried to Collection				
					R
					R
	Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		Quantity	Rate	Amount
	Type G			
407	Supply	No 1		
408	Install	No 1		
	Type H			
409	Supply	No 6		
410	Install	No 6		
	Type P-PHOTOCELL			
411	Supply	No 1		
412	Install	No 1		
	Type R			
413	Supply	No 1		
414	Install	No 1		
	TELEPHONE INSTALLATION			
	<u>Supply and installation of recessed mounted termination boards complete with architrave frame with wooden backing board and pad lockable door</u>			
	450 x 450 x 150 mm (recessed)			
415	Supply	No 1		
416	Install	No 1		
	<u>Supply and installation of 100 x 50 grid flush telephone socket in wall complete with surrounds. (Confirm exact type prior to ordering)</u>			
417	Supply	No 1		
418	Install	No 1		
	Carried to Collection			
	Section 6			
	Bill 1			
	Electrical Works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item			Quantity	Rate	Amount	
	<u>Supply and installation of 100 x 50 grid flush krone telephone outlet in cottage pedestal complete with fixing screws. (Confirm exact type prior to ordering)</u>					
419	Supply	No	1			
420	Install	No	1			
	<u>Supply and installation of 100 x 50 grid flush telephone outlet in power skirting complete with fixing screws. (Confirm exact type prior to ordering)</u>					
421	Supply	No	9			
422	Install	No	9			
	DATA INSTALLATION					
	<u>Supply and installation of 100 x 50 grid flush data socket in wall complete with surrounds. (Confirm exact type prior to ordering)</u>					
423	Supply	No	1			
424	Install	No	1			
	<u>Supply and installation of 100 x 50 grid flush data outlet in cottage pedestal complete with fixing screws. (Confirm exact type prior to ordering)</u>					
425	Supply	No	1			
426	Install	No	1			
	<u>Supply and installation of 100 x 50 grid flush data outlet in power skirting complete with fixing screws. (Confirm exact type prior to ordering)</u>					
427	Supply	No	40			
428	Install	No	40			
	Carried to Collection				R	
Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE						

Item	Quantity	Rate	Amount
AW WIRES			
<u>Supply and installation of galvanised steel draw wires installed in all conduits and sleeves</u>			
2.5 mm diameter draw wires			
429	Supply	m	50
430	Install	m	50
431	Provisional Sum for the supply and installation of lightning protection, complete with all material required for installation by an approved specia		Item
			58,900.00
432	Provisional Sum for the supply and installation of electric wall mounted hand dryers by an approved specialist		Item
			30,000.00
433	Provisional Sum for the replacement of unknown damaged installation		Item
			50,000.00
COMMISSIONING AND COC			
434	Tenderers to allow for all the commissioning requirements, including testing, issue of COC for electrical installation, attendance, as-built drawings, manuals, etc. as set out in this specification and bills of quantities, prior to the installation being taken over as complete		Item
GENERAL ITEMS			
435	Any additional items that the tenderer deems necessary for the successful and total completion of the work required for this contract. (Specify)		Item
Carried to Collection			R
Section 6 Bill 1 Electrical Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Section 6

Bill 1

Electrical Works

Collection

Page No

Amount

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

Carried Forward

R

Section 6

Bill 1

Electrical Works

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Section 6

Bill 1

Electrical Works

Collection

Page No

Amount

R

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

Carried Forward

R

Section 6

Bill 1

Electrical Works

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Section 6

Bill 1

Electrical Works

Collection

Page No

Amount

156

R

Carried to Summary

R

Section 6

Bill 1

Electrical Works

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
<u>SECTION 6</u>			
<u>BILL NO 2</u>			
ELECTRONIC WORKS			
NOTE			
The installation comprising of Electronic works; which includes the following item: ICT, IPT, EMS, UPS, Access Flooring, Security, CRT, and SOS Installation will be procured and appointed directly by Department of Justice during the construction process to comply with their cyber security requirements.			
Electronic works (ICT Local Network Area)			
1	Allow the sum of R 2 500 000.00 (Two Million, Five Hundred Thousand Rand) for Electronic Works		2,500,000.00
	Item		
2	Allow for Profit		
	Item		
3	Allow for attendance		
	Item		
Electronic works (IPT)			
4	Allow the sum of R 1 000 000.00 (One Million rand) for Electronic Works (IPT)		1,000,000.00
	Item		
5	Allow for Profit		
	Item		
6	Allow for attendance		
	Item		
Electronic works (EMS)			
7	Allow the sum of R 80 000.00 (Eighty Thousand rand) for Electronic Works (EMS)		80,000.00
	Item		
8	Allow for Profit		
	Item		
Carried to Collection			R
Section 6 Bill 2 Electronic Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item	Quantity	Rate	Amount
9 Allow for attendance	Item		
Electronic works (UPS)			
10 Allow the sum of R 180 000.00 (One Hundred and Eighty Thousand rand) for Electronic Works (UPS)	Item		180,000.00
11 Allow for Profit	Item		
12 Allow for attendance	Item		
Electronic works (ACCESS FLOORING)			
13 Allow the sum of R 50 000.00 (Fifty Thousand rand) for Electronic Works (ACCESS FLOORING)	Item		50,000.00
14 Allow for Profit	Item		
15 Allow for attendance	Item		
Electronic works (CCTV AND ACCESS CONTROL SYSTEM)			
16 Allow the sum of R 700 000.00 (Seven Hundred Thousand rand) for Electronic Works (CCTV & ACCESS CONTROL SYSTEM)	Item		700,000.00
17 Allow for Profit	Item		
18 Allow for attendance	Item		
Electronic works (CRT AND SOS INSTALLATION)			
19 Allow the sum of R 1 300 000.00 (One Million, Three Hundred Thousand rand) for Electronic Works (CRT and SOS)	Item		1,300,000.00
20 Allow for Profit	Item		
Carried to Collection			
Section 6			
Bill 2			
Electronic Works			
DE AAR MAGISTRATE COURT			
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R
			R

Item		Quantity	Rate	Amount
21	A/ for attendance	Item		
Carried to Collection			R	
Section 6 Bill 2 Electronic Works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Section 6

Bill 2

Electronic Works

Collection

Page No

Amount

160

161

162

Carried to Summary

R

Section 6

Bill 2

Electronic Works

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

SECTION SUMMARY - Electrical Works

Bill
No

Page
No

Amount

1 Electrical Works

159

2 Electronic Works

163

Carried to Final Summary

R

Section 6
DE AAR MAGISTRATE COURT
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Item	Quantity	Rate	Amount
<u>SECTION 6</u>			
<u>Mechanical Works</u>			
<u>AC UNITS DUCTING</u>			
Ground Floor			
<u>N.B: Deliever, Supply and Install and Commission of all the items below</u>			
<u>Indoor Units - VRV R410a TYPE units, mid-wall mount, ceiling mount and Roof top Packaged Unit type c/w mounting brackets and electrical connection c/w valves and all components to complete the installation</u>			
1	Wall Mounted unit of 3,6 KW Cooling Capacity, 4,0 kW Heating Capacity	No	2
2	4-Way Ceiling mounted cassette 4,5 kW cooling/5,0 kW heating capacity	No	1
3	4-Way Ceiling mounted cassette 5,6 kW cooling/6,3 kW heating capacity	No	2
4	Hard wired remote control	No	2
5	Infra-red remote control	No	5
6	VRV Heat recovery box c/w 4 ports	No	1
Carried to Collection			R
Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
	<u>Door grilles, weather louvers, air bricks and diffusers</u>			
7	Weather Louvre c/w vermin proof screen, 350x350mm storm resistant	No	1	
8	Weather Louvre c/w vermin proof screen, 300x300mm storm resistant	No	1	
9	Disc Valve diffuser type c/w 150mm diameter neck. Allow for 1.5m flexible ducting and spigot	No	7	
10	Disc Valve diffuser type c/w 150mm diameter neck. Allow for 1.5m flexible ducting and spigot	No	7	
11	Disc Valve diffuser type c/w 200mm diameter neck. Allow for 1.5m flexible ducting and spigot	No	4	
12	Supply air Difuser c/w 250mm diameter neck and 600x600mm base plate. Allow for 1.5m flexible ducting and spigot	No	6	
13	Double sided door grille natural anodised aluminium 350x200mm	No	4	
14	Double sided door grille natural anodised aluminium 150x200mm	No	1	
15	Return Air Grille 1200x600 c/w plenum box	No	1	
	Carried to Collection			R
	Section 7			
	Bill 1			
	Mechanical works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
16	Transfer Air Grille 200x200 c/w plenum boxes and flexible ducting	No	2	
	<u>DUCTWORK</u>			
	<u>Un-Insulated Rectangular and Round galvanised low pressure ducting supported from structural steel via hangers and 8mm thread</u>			
	Note: Rate to include support mechanism			
17	350x350 to 250x200 mm duct transformation	No	1	
18	300x300 to 150x250 mm duct transformation	No	1	
19	T-piece 200x250, 300x300, 200x250	No	1	
20	T-piece 300x300, 300x300, 300x300	No	1	
21	350 x 350	m	5	
22	300 x 300	m	11	
23	250 x 200	m	23	
24	200 x 200	m	5	
	Carried to Collection			
	Section 7			
	Bill 1			
	Mechanical works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
25	150 x 250	m	25	
26	Ø150 mm	m	30	
27	Ø200 mm	m	20	
28	Stop end	No	5	
<u>Externally Insulated Rectangular and Round galvanised low pressure ducting supported from structural steel via hangars and 8mm thread</u>				
<u>Note: Rate to include support mechanism</u>				
29	400x400 90deg bend	No	4	
30	350x350 90deg bend	No	1	
31	400x400 to 400x350 mm duct transformation	No	1	
32	400x350 to 300x250 mm duct transformation	No	1	
33	400 x 400	m	8	
34	400 x 350	m	7	
Carried to Collection				R
Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		Quantity	Rate	Amount
35	300 x 250	m	8	
36	Ø250 mm	m	16	
37	Stop end	No	1	
38	FRK insulation 25mm	m ²	60	
	<u>Complete pipework, fittings and valves</u>			
	N.B: Deliever, Supply and Install and Commission of all the items below			
	<u>REFRIGERANT PIPING C/W INSULATION</u>			
39	6.35mm Ø Diameter	m	59	
40	12,7mm ØDiameter	m	164	
41	15.8mm Ø Diameter	m	105	
	<u>u-PVC drain piping c/w accessories</u>			
42	25mm	m	116	
	Carried to Collection			
	Section 7			
	Bill 1			
	Mechanical works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R	

Item	Quantity	Rate	Amount
<u>Galvanised light duty cables trays including hangers supports</u>			
43 P8000 Unistrut Cable Tray	m	80	
<u>Ventilation Fans</u>			
N.B: Deliever, Supply and Install and Commission of all the items below			
44 FAF 1 - dia315mm In-Line Tube Fresh air fan @200Pa, 315 l/s c/w 1.5D attenuators before and after and all fittings and collars connect to duct. Price to include 50mm washable panel filter and filter box.	No	1	
45 EAF 1 - dia315mm In-Line Tube Extraction air fan @150Pa, 530 l/s c/w 1.5D attenuators before and after and all fittings and collar to connect to duct.	No	1	
46 WF 1 - Wall mounted Extraction air fan @30Pa, 50 l/s c/w all fittings and collars to connect to duct and then to the window.	No	1	
First Floor			
<u>AC UNITS DUCTING</u>			
N.B: Deliever, Supply and Install and Commission of all the items below			
Carried to Collection			R
Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
	<u>Indoor Units - VRV R410a TYPE units, mid-wall mount, ceiling mount and Roof top Packaged Unit type c/w mounting brackets and electrical connection c/w valves and all components to complete the installation</u>			
47	Wall Mounted unit of 3,6 KW Cooling Capacity, 4,0 kW Heating Capacity	No	5	
48	4-Way Ceiling mounted cassette 5,6 kW cooling/6,3 kW heating capacity	No	2	
49	Wall Mounted unit of 5,6 KW Cooling Capacity, 6,3 kW Heating Capacity	No	1	
50	Hard wired remote control	No	2	
51	Infra-red remote control	No	6	
52	VRV Heat recovery box c/w 6 ports	No	1	
53	VRV Heat recovery box c/w 4 ports	No	1	
	<u>Outdoor Units - VRV R410a TYPE units, c/w mounting brackets and electrical connection c/w valves and all components to complete the installation</u>			
54	VRV Outdoor unit of 28,0kW Cooling/31,5kW Heating Capacity	No	1	
	Carried to Collection			R
	Section 7			
	Bill 1			
	Mechanical works			
	DE AAR MAGISTRATE COURT			
	REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
55	VRV Outdoor unit of 56kW Cooling/63kW Heating Capacity	No	1	
	<u>Rooftop Units - R410a TYPE units, Roof top Packaged Unit type c/w mounting brackets, wall mounted controllers and electrical connection c/w valves and all components to complete the installation</u>			
56	Roof top package unit of 16,27kW Cooling/ 15,24kW Heating Cap	No	1	
57	Roof top package unit of 16,27kW Cooling/ 15,24kW Heating Cap	No	1	
	<u>Indoor Units - DX R410a TYPE units, mid-wall mount type c/w mounting brackets and electrical connection c/w valves, outdoor unit and all components to complete the installation</u>			
58	(Server Room) Wall Mounted unit of 5,6 KW Cooling Capacity, 6,3 kW Heating Capacity	No	1	
	<u>Door grilles, weather louvers, air bricks and diffusers</u>			
59	Weather Louvre c/w vermin proof screen, 600x400mm storm resistant	No	1	
60	Weather Louvre c/w vermin proof screen, 250x250mm storm resistant	No	1	
	Carried to Collection			
	Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			
			R	

Item	Un-Insulated Rectangular and Round galvanized low pressure ducting supported from structural steel via hangars and 8mm thread	Quantity	Rate	Amount
	Note: Rate to include support mechanism			
70	350x350 to 250x200 mm duct transformation	No	1	
71	300x200 to 200x200 mm duct transformation	No	1	
72	200x250 to 150x200 mm duct transformation	No	1	
73	250x250 to 200x250 mm duct transformation	No	1	
74	Stop end	No	4	
75	300x250mm 90deg bend	No	2	
76	dia150mm 90deg bend	No	1	
77	150x200mm 90deg bend	No	1	
78	350 x 350	No	5	
79	300 x 250	No	14	
	Carried to Collection			R
	Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item	Quantity	Rate	Amount
80 250 x 200	No 23		
81 200 x 200	No 5		
82 250 x 250	No 5		
83 200 x 150	No 10		
84 Ø150 mm diameter	No 77		
85 Ø200 mm diameter	No 22		
<u>Externally Insulated Rectangular and Round galvanised low pressure ducting supported from structural steel via hangars and 8mm thread</u>			
Note: Rate to include support mechanism			
86 400x400 90deg bend	No 4		
87 350x350 90deg bend	No 1		
88 400x400 to 400x350 mm duct transformation	No 1		
89 400x350 to 300x250 mm duct transformation	No 1		
Carried to Collection			R
Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Item		Quantity	Rate	Amount
90	400 x 400	m	15	
91	400 x 350	m	7	
92	350 x 350	m	22	
93	300 x 250	m	8	
94	Ø250 mm diameter	m	16	
95	Stop end	No	1	
96	FRK insulation 25mm	m ²	60	
<u>Complete pipework, fittings and valves</u>				
<u>N.B: Deliever, Supply and Install and Commission of all the items below</u>				
<u>REFRIGERANT PIPING C/W INSULATION</u>				
97	6.35mm Ø Diameter	m	70	
98	12,7mm Ø	m	159	
99	15.8mm Ø	m	100	
Carried to Collection				R
Section 7				
Bill 1				
Mechanical works				
DE AAR MAGISTRATE COURT				
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		Quantity	Rate	Amount
<u>Supply, Delivery, Installation, Commissioning and Testing of the Wet Services In Accordance with the conditions of drawings and SANS 10252 Specifications</u>				
Domestic Water Supplies				
<u>Copper Class 1 piping complete installed on supports and including running joints as per specifications</u>				
105	15 mm pipes	m	4	
106	20 mm pipes	m	13	
107	25mm pipes	m	113	
Copper Class 1 piping chased in walls				
108	15 mm pipes	m	41	
109	20 mm pipes	m	89	
Extra over Copper pipes for capillary fittings				
110	15mm Elbow	No	8	
111	15mm Tee	No	4	
112	15mm Ball valve	No	30	
113	15mm Valve socket	No	30	
114	20mm Elbow	No	10	
115	20mm Tee	No	6	
116	20mm Ball valve	No	28	
117	20mm Reducer (20x15)	No	8	
118	20mm Valve socket	No	28	
119	25mm Reducer (25x15)	No	33	
Carried to Collection				R
Section 7				
Bill 1				
Mechanical works				
DE AAR MAGISTRATE COURT				
REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		Quantity	Rate	Amount
120	25mm Reducer (25x20)	No	24	
121	25mm Tee	No	37	
122	25mm Elbow	No	42	
123	25mm Ball valve	No	4	
124	25mm Valve socket	No	4	
<p><u>Provide all necessary apparatus, water, etc. and allow for the whole plumbing and drainage works in parts and sections as completed and/or handed over to the satisfaction of the Principal agent and local authorities. All defective work is to be taken out at the contractor expense and replaced to satisfaction and the whole retest until found perfect.</u></p>				
<p><u>Sanitary fittings complete with all waste unions, plugs, chains, etc. including building into or fixing to building structure vaal or equal and approved daisy vitreous china semi close coupled wash-down pan comprising 90degrees outlet open rim (product code 710034) and matching 9-cistern including lid fitments with heavy duty seats flush pipe elbow type installed complete</u></p>				
<p>COPPER PIPES:</p>				
<p><u>Pipes shall be hard drawn and half hard pipes of the class stated. Class 0 Copper (thin walled hard drawn) pipes shall not be bent. Class 1 Copper (thin walled half hard), class 2 Copper (half hard) and class 3 Copper (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground</u></p>				
Carried to Collection			R	
<p>Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE</p>				

Item	Quantity	Rate	Amount
<p>FITTING OF PIPES:</p> <p><u>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</u></p>			
<p>REDUCING FITTINGS:</p> <p><u>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</u></p>			
<p>EXCAVATIONS:</p> <p><u>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</u></p>			
<p>LAYING, BACKFILLING, BEDDING, ETC. OF PIPES:</p> <p><u>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</u></p>			
<p>CHASES, SLEEVES, HOLES, ETC.</p>			
<p>125 Chase in wall for pipe not exceeding 50mm diameter</p>	m	15	
<p>126 Hole for pipe not exceeding 100mm diameter through 220mm wall</p>	No	23	
<p>Carried to Collection</p>			R
<p>Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE</p>			

Item		Quantity	Rate	Amount
HOT WATER GENERATION				
127	50 Litre Hot Water Geyser c/w 2kW Heating Element.	No	1	
128	25 Litre Hydro boil c/w 3kW Heating Element.	No	1	
DRAINAGE AND SANITATION				
<u>Services - uPVC piping completely installed on Supports and Including running joints in Accordance with the conditions of drawings and SANS Specifications</u>				
Piping & Fittings				
129	50 mm pipes above ground	m	36	
130	110mm pipes above ground	m	55	
131	50 mm pipes in and including trenches not exceeding 1,5m deep.	m	40	
132	110mm pipes in and including trenches not exceeding 1,5m deep under surface beds.	m	61	
Extra over class uPVC pipes for capillary fittings				
133	50mm Adaptor	No	32	
134	50mm Bend	No	19	
135	50mm Access bend	m	16	
136	50mm Junction	No	14	
137	50mm Reducer	No	9	
138	50mm Double junction	m	7	
139	50mm Access junction	No	13	
140	50mm GI two way vent valve	No	6	
Carried to Collection				R
Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item		Quantity	Rate	Amount
141	110mm Reducer	No	17	
142	110mm Bend	No	23	
143	110mm Access bend	No	18	
144	110mm Junction	No	39	
145	110mm Reducing junction	No	18	
146	110mm Double junction	No	22	
147	110mm Access junction	No	19	
148	110mm Access reducing junction	No	14	
149	110mm Pan connector	No	18	
150	110mm Rodding eye	No	20	
SUPPLEMENTARY				
151	110mm GI two way bent valve	No	6	
152	50mm S-trap	No	23	
153	50mm Vent cowl	No	3	
154	110mm Vent cowl	No	5	
Carried to Collection				R
Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE				

Item	Quantity	Rate	Amount
<p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium- pressure pipelines LD : Sewers LE : Storm water drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB: Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding stainless steel basins, sinks, wash troughs urinals, etc. Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable. Waste unions, Description of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings. Densyl petrolatum anti-corrosion tape as manufactured. Pipes to be taped shall be coated with appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described. couplings and fittings to pipes shall be taped in strict accordance with the manufactures instructions including all mastic, tape, Layflat sheeting, securing of same, etc.</p> <p>TRAPS, ETC:</p> <p>Chromium plated brass</p>			
155 40mm Double bowl sink reseal "P or S-trap" combination trap	No	1	
BUDGETARY ALLOWANCE			
156 Allowance for budgetary allowance for fire protection equipment and signage 265 000(Two Hundred and Sixty Five Thousand)		Item	265,000.00
157 Allowance for Budgetary Allowance of 995 000 for lift installation		Item	995,000.00
Carried to Collection		R	
Section 7 Bill 1 Mechanical works DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE			

Section 7

Bill 1

Mechanical works

Collection

Page No

Amount

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

Carried to Final Summary

R

Section 7

Bill 1

Mechanical works

DE AAR MAGISTRATE COURT

REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE

Section No	FINAL SUMMARY	Page	Amount
1	Preliminaries	47	
2	EPWP	51	
3	Building Works	106	
4	Provisional Sums	109	
5	Allowance for Contract Participation Goal	114	
6	Electrical Works	164	
7	Mechanical Works	184	
	SUB TOTAL		R
	Value Added Tax (15%)		R
	TOTAL CARRIED TO FORM OF OFFER AND ACCEPTANCE		R
	Carried to Form of Tender		R
	DE AAR MAGISTRATE COURT REPAIRS OF THE EXISTING FIRE DAMAGED STRUCTURE		



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

OCCUPATIONAL HEALTH AND SAFETY
FOR
DE AAR MAGISTRATE COURT: REPAIRS TO FIRE
DAMAGE

AT

DE AAR DOJ

MANAGED ON BEHALF OF

THE DEPARTMENT OF
PUBLIC WORKS

PRINCIPAL CONTRACTOR RECEIPT

Received by:

Name:

Signature:

Date:

Capacity:

OHS MANAGEMENT: WENDY MBOLEKWA

CONTENTS

- 1. PREAMBLE**
- 2. SCOPE OF HEALTH & SAFETY DOCUMENT**
- 3. PURPOSE**
- 4. DEFINITIONS**
- 5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT**
- 6. RESPONSIBILITIES**
- 7. SCOPE OF WORK**
- 8. HEALTH AND SAFETY FILE**
- 9. RISK ASSESSMENTS**
- 10. HEALTH AND SAFETY POLICY**
- 11. LOCKOUT PROCEDURE**
- 12. ELECTRICAL EMERGENCY RESPONSE PROCEDURE**
- 13. COMPLETED WORK SAFETY CHECKLIST**
- 14. REPORTING OF INCIDENTS**
- 15. HOUSEKEEPING**

1. PREAMBLE

In terms of Construction Regulation 4(1)(a) of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), and 5(1) construction regulation of 2014, the Department of Public Works, as the Client and/or its Agent on its behalf, shall be responsible to prepare Health & Safety Specifications for any intended construction project and provide any Principal Contractor who is making a bid or appointed to perform construction work for the Client and/or its Agent on its behalf with the same.

The Client's further duties are as described in The Act and the Regulations made there-under. The Principal Contractor shall be responsible for the Health & Safety Policy for the site in terms of Section 7 of the Act and in line with Construction Regulation 5 as well as the Health and Safety Plan for the project.

2. SCOPE OF HEALTH AND SAFETY SPECIFICATION DOCUMENT

These Specifications should be read in conjunction with the Act, the Construction Regulations and all other Regulations and Safety Standards which were or will be promulgated under the Act or incorporated into the Act and be in force or come into force during the effective duration of the project.

The stipulations in this specification, as well as those contained in all other documentation pertaining to the project, including contract documentation and technical specifications shall not be interpreted, in any way whatsoever, to countermand or nullify any stipulation of the Act, Regulations and Safety Standards which are promulgated under, or incorporated into the Act.

2.1 APPLICATIONS AND INTERPRETATION

This document is to be read and understood in conjunction with the following, inter- alia:

- *Occupational Health and Safety Act 85 of 1993 (OHS Act).*
- *All regulations published in terms of the OHS Act.*
- *Construction Regulations, 2014*
- *SABS codes referred to by the OHS Act.*
- *Contract Documents*
- *Basic Conditions of Employment Act (Act 75 of 1997)*
- *National Environmental Management Act 107 of 1998 and all Regulations*
- *Compensation for Occupational Injuries and Diseases (COID) Act No. 130 of 1993*

ABBREVIATIONS

- OHS : Occupational Health and Safety
- CEO : Chief Executive Officer
- CR : Construction Regulations
- HCS : Hazardous Chemical Substances
- MSDS : Material Safety Data Sheet
- AIA : Approved Inspection Authority
- HBA : Hazardous Biological Agents

- OEL : Occupational Exposure Limit
- CSIR : Council for Scientific and Industrial Research
- H&SS : Health and Safety Specification
- HS&EP : Health, Safety and Environmental Plan
- HS&EF : Health, Safety and Environmental File
- CHSO : Construction Health and Safety Officer

3. PURPOSE

The Department is obligated to implement measures to ensure the health and safety of all people and properties affected under its custodianship or contractual commitments, and is further obligated to monitor that these measures are structured and applied according to the requirements of these Health and Safety Specifications.

The purpose of this specification document is to provide the relevant Principal Contractor (and his /her sub-contractor) with any information other than the standard conditions pertaining to construction sites which might affect the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; and to protect persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work during the carrying out of construction work for the Department of Public Works and Infrastructure. The Principal Contractor (and his /her sub-contractor) is to be briefed on the significant health and safety aspects of the project and to be provided with information and requirements.

4. DEFINITIONS

The following definitions from the Occupational Health and Safety Act are listed as follows:

“Chief Executive Officer”

In relation to a body corporate or an enterprise conducted by the State, means the person who is responsible for the overall management and control of the business of such body corporate or enterprise.

“Danger”

Means anything that may cause injury or damage to persons or property.

“Employee”

Means, subject to the provisions of Subsection (2), any person who is employed by or works for any employer and who receives or is entitled to receive any remuneration or who works under the direction or supervision of an employer or any other person.

“Employer”

Means, subject to the provisions of Subsection (2), any person who employs or provides work for any person or remunerates that person or expressly or tacitly undertakes to remunerate him, but excludes a labour broker as defined in Section 1(1) of the Labour Relations Act, 1953 (Act No. 28 of 1956).

“Healthy”

Means free from illness or injury attributable to occupational causes.

Machinery

Means any article or combination of articles assembled, arranged or connected and which is used or intended to be used for converting any form of energy to performing work, or which is used or intended to be used, whether incidental thereto or not, for developing, receiving, storing, containing, confining, transforming, transmitting, transferring or controlling any form of energy.

Plant

Includes fixtures, fittings, implements, equipment, tools and appliances, and anything which is used for any purpose in connection with such plant.

Medical Surveillance

Means a planned programme of periodic examination (which may include clinical examinations, biological monitoring or medical tests) of employees by an occupational health practitioner or, in prescribed cases, by an occupational medicine practitioner. Plant Includes fixtures, fittings, implements, equipment, tools and appliances, and anything which is used for any purpose in connection with such plant. Properly Used Means used with reasonable care, and with due regard to any information, instruction or advice supplied by the designer, manufacturer, importer, seller or supplier.

User

In relation to plant or machinery, means the person who uses plant or machinery for his own benefit or who has the right of control over the use of plant or machinery, but does not include a lessor of, or any person employed in connection with, the plant or machinery.

Reasonably Practicable

Means practicable having regards to: a) the severity and scope of the hazard or risk concerned, b) The state of knowledge reasonably available concerning that hazard or risk and of any means to remove or mitigate that hazard or risk. c) the availability and suitability of means to remove or mitigate that hazard or risk; and d) The cost of removing or mitigating that hazard or risk in relation to the benefits deriving there from.

“Risk”

Means the probability that injury or damage will occur.

“Safe”

Means free from any hazard.

“Standard”

Means any provision occurring: a) in a specification, compulsory specification, code of practice or standard method as defined in Section 1 of the Standards Act, 1993 (Act No. 29 of 1993); OR b) in any specification, code or any other directive having standardization as its aim and issued by an institution or organization inside or outside the Republic which, whether generally or with respect to any particular article or matter and whether internationally or in any particular country or territory, seeks to promote standardisation.

The following definitions from the Construction Regulations are listed as follows:

“Agent” – means any person who acts as a representative for a Client;

“Client” – means any person for whom construction work is performed;

“Construction Work” is defined as any work in connection with –

- (a) the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;
- (b) the installation, erection, dismantling or maintenance of a fixed plant where such work includes the risk of a person falling;
- (c) the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
- (d) the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work;

“Health and Safety File” – means a file, or other record in permanent form, containing the information required as contemplated in the regulations;

“Health and Safety Plan” – means a site, activity or project specific documented plan in accordance with the client’s health and safety specification;

“Health and Safety Specification” – means a site, activity or project specific document prepared by the client pertaining to all health and safety requirements related to construction work;

“Electrical installation” means any electrical installation as defined in regulation 1 of the Electrical Installation Regulations, published under Government Notice R.2270 of 11 October 1985;

“Method Statement” – means a document detailing the key activities to be performed in order to reduce as reasonably as practicable the hazards identified in any risk assessment;

“Principal Contractor” – means an employer, as defined in section 1 of the Act who performs construction work and is appointed by the Client to be in overall control and management of a part of or the whole of a construction site;

“Risk Assessment” – means a program to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard.

“Competent person” – means any person having the knowledge, training, experience and qualifications specific to the work or task being performed: Provided that where appropriate qualifications and training are registered in terms of the provisions of the South African Qualifications Authority Act, 1995 (Act No. 58 of 1995), these qualifications and training shall be deemed to be the required qualifications and training.

5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

5.1. Overall Supervision and Responsibility for OH&S

The Client and/or its Agent shall ensure that the Principal Contractor implements and maintains the agreed and approved H&S Plan. Failure on the part of the Client or Agent to comply with this requirement will not relieve the Principal Contractor from any one or more of his/her duties under the Act and Regulations.

5.2. Further (Specific) Supervision Responsibilities for OH&S

Several appointments or designations of responsible and /or competent people in specific areas of construction work are required by the Act and Regulations. The following competent

appointments, where applicable, in terms of the Construction Regulations and other Regulations shall be made to ensure compliance to the Act, Regulations and SANS Standards.

LEGAL DOCUMENTATION/APPOINTMENTS

The following documents must be provided in the Health and Safety Plan (H&SP):

- Health and Safety Policy signed by CEO or statement of commitment to SHE
- Letter of good standing with the Compensation Commissioner, Federated Employers or similar insurer.
- HSE Organogram (or table), outlining the HSE Team, as well as the appointment(s) they have under the Act and Regulations (reference to specific section/regulation applicable to appointment)
- The competency of each member of the HSE Team must be provided and should include knowledge, training, experience & qualifications specific to the appointment.

Signed copies of the following legal appointments must be provided in the Health, Safety and Environmental Plan:

APPOINTMENT	OHS-ACT / REGULATION REFERENCE
Section 16.2 appointment	Section 16.2
HSE Representative (if necessary)	Section 17(1)
Incident Investigator	GAR 9(2)
First Aiders	GSR 3(4)
Fire Fighters	ER 9 & CR 29
Risk Assessor	HCS Reg (Incl. Asbestos & Lead); CR 9

The following information must be provided in the H&SP:

- Indicate the estimated number of employees to be working on site.
- Indicate the expected number of sub-contractors to be appointed by the Principal Contractor.

The following competent persons, where applicable, shall be appointed in writing by the Principal Contractor, prior to any work being carried out, and shall adhere to the requirements of the specific sub-regulations.

The competency of each of these appointed competent persons must be provided and should include knowledge, training, experience & qualifications specific to the appointment.

APPOINTMENT	OHS-ACT / REGULATION REFERENCE
Construction Manager	CR 8 (1)
Assistant Construction Manager	CR 8 (2)
Construction H&S Officer where applicable	CR 8 (5)
Construction Supervisor	CR 8 (7)
Construction Assistant Supervisor	CR 8(8)
Risk assessor	CR 9(1)
Fall Protection Competent Person	CR 10 (1)
Temporary works competent person	CR12 (2)
Excavation Work Supervisor	CR 13 (1)(a)
Demolition Work	CR 14 (1)
Competent Person (Use of Explosives for Demolition Work)	CR14(11)
Scaffolding Erector/ Team Leader/ Inspector	CR 16 (1)
Suspended platform Competent Person	CR 17(1)
Rope Access Work Competent Person	CR 18 (1) (a)
Material Hoist Competent Person	CR 19(8)(a)
Bulk Mixing Plant Competent Person	CR 20 (1)
Explosive Powered Tools Competent Person	CR 21(2)(b)
Construction Vehicle and Mobile Plant Competent Person	CR23 (1)(d)
Electrical Machinery Competent Person	CR 24 (c)
Stacking and Storage Supervisor	CR 28 (a)
Fire Equipment Inspector	CR 29(h)

Indicate in the H&SP, which of these listed appointments are applicable to the construction work in question (project specific).

No work involving any of the listed appointments may be performed without the knowledge and approval of an appointed competent person.

5.3 Communication & Liaison

5.2.1 The Principal Contractor will communicate all health and safety concerns with the DPW Health and Safety Officer.

6. RESPONSIBILITIES

6.1 Client/Agent

6.1.2 The Client/Agent shall discuss and negotiate with the Principal Contractor the contents of the health and safety plan and when compliant, approve the plan.

6.2 Principal Contractor

6.2.1 The Principal Contractor shall accept the appointment under the terms and Conditions of Contract. The Principal Contractor shall sign and agree to those terms and conditions and shall, before commencing work, notify the Department of Labour of the intended construction. Annexure 2 of this construction regulation contains a "Notification of Construction Work" form. The Principal Contractor shall submit the notification in writing prior to commencement of work and inform the Client or his Agent accordingly.

6.2.2 The Principal Contractor shall ensure that he is fully conversant with the requirements of this Specification and all relevant health and safety legislation.

6.2.3 The Principal Contractor will in no manner or means be absolved from the responsibility to comply with all applicable sections of the Act, the Construction Regulations or any Regulations proclaimed under the Act or which may perceivable be applicable to this contract.

6.2.4 The Principal Contractor shall provide and demonstrate to the Client a suitable and sufficiently documented health and safety plan based on this Specification, the Act and the Construction Regulations, which shall be applied from the date of commencement of and for the duration of execution of the works. This plan shall, as appendices, include the health and safety plans of all Sub-contractors for which he has to take responsibility in terms of this contract.

6.2.5 The Principal Contractor shall provide proof of his registration and good standing with the Compensation Fund or with a licensed compensation insurer prior to commencement with the works.

6.2.6 The Potential Principal Contractor shall, in submitting his tender, demonstrate that he has made provision for the cost of compliance with the specified health and safety requirements, the Act and Construction Regulations. (Note: This shall have to be contained in the conditions of tender upon which a tenderer's offer is based.)

- 6.2.7 The Principal Contractor shall consistently demonstrate his competence and the adequacy of his resources to perform the duties imposed on the Principal Contractor in terms of this Specification, the Act and the Construction Regulations.
- 6.2.8 The Principal Contractor shall ensure that a copy of his health and safety plan is available on site and is presented upon request to the Client, an Inspector, Employee or Sub-contractor.
- 6.2.9 The Principal Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the provisions of this Specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Client or Inspector upon request. Upon completion of the works, the Principal Contractor shall hand over a consolidated health and safety file to the Client.
- 6.2.10 The Principal Contractor shall, throughout execution of the contract, ensure that all conditions imposed on his Sub-contractors in terms of the Act and the Construction Regulations are complied with as if they were the Principal Contractor.
- 6.2.11 The Principal Contractor shall from time to time evaluate the relevance of the Health and Safety Plan and revise the same as required, following which revised plan shall be submitted to the Client and/or his/her Agent for approval.
- 6.2.12 A letter of good standing in terms of COIDA (Compensation Commissioner) must be submitted to DPW.

7. SCOPE OF WORK

Construction of the new magistrate office. These specifications are applicable to the specific scope of work pertaining to the above-mentioned project as detailed in the tender documents.

8. HEALTH AND SAFETY FILE

- a) The Principal Contractor must, in terms of Construction Regulation 7(7), keep a Health & Safety File on site at all times that must include all documentation required in terms of the Act and Regulations and must also include a list of all Contractors on site that are accountable to the Principal Contractor and the agreements between the parties and details of work being done. A more detailed list of documents and other legal requirements that must be kept in the Health and
- b) The Health and Safety File will remain the property of the Client and/or its Agent on its behalf throughout the period of the project and shall be consolidated and handed over to the Client and/or its Agent on its behalf at the time of completion of the project

9. RISK ASSESSMENTS

In terms of Construction Regulations 5 the Client will prepare a baseline risk assessment for the construction work project. The Principal Contractor shall, before commencement of any construction work and during the construction work, have risk assessments performed by a competent person appointed in writing, which risk assessments form part of the health and safety plan to be applied on site, and must include –

- (a) the identification of the risks and hazards to which persons may be exposed to;
- (b) the analysis and evaluation of the risks and hazards identified;
- (c) a documented plan of safe work procedures to mitigate, reduce or control the risks and hazards that have been identified;
- (b) a monitoring plan; and
- (e) a review plan.

The following hazards are identified:

- Drilling (Breaking of walls)
- Formwork and support work
- Scaffolding
- Construction vehicles and mobile equipment
- Electrical installations and electrical machinery
- Housekeeping
- Stacking and storage practices
- Fire risks and fire precautions
- Use of jackhammers
- Hot work (steel cutting and welding)
- Portable electrical tools
- Intoxicated persons on site
- Use of ladders
- Impact of construction work upon occupants of buildings not evacuated for the duration of the work
- Working at height (fall protection)
- Noise
- Potential presence of asbestos that forms part of the structure (cement fibre)
- Asbestos

Site Specific risk assessment of the above must be submitted to DPW before commencement of work.

10. HEALTH AND SAFETY POLICY

Each contractor to submit a suitable documented Health and Safety Policy as required by Section 7 of the OHS Act.

11. IDENTIFICATION OF HAZARDS AND DEVELOPMENT OF RISK ASSESSMENTS, STANDARD WORKING PROCEDURES (SWP) AND METHOD STATEMENTS

The Principal Contractor is required to develop Risk Assessments, Standard Working Procedures (SWP) and Method Statements for each activity executed in the contract or project.

The identification of hazards is over and above the hazards identification programme and those hazards identified during the drafting of the Health and Safety Plan.

12. ARRANGEMENTS FOR MONITORING AND REVIEW

12.1 Monthly Audit by Client and/or its Agent on its behalf

The Client and/or its Agent on its behalf will be conducting Periodic Audits at times agreed with the Principal Contractor Audit to comply with Construction Regulation 4(1)(d) to ensure that the principal Contractor has implemented, is adhering to and is maintaining the agreed and approved OH&S Plan.

12.3 Reports

- a) The Principal Contractor shall report all incidents where an employee is injured on duty to the extent that he/she:
- i. dies
 - ii. becomes unconscious
 - iii. loses a limb or part of a limb
 - iv. is injured or becomes ill to such a degree that he/she is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which he/she was usually employed

OR where:

- i. a major incident occurred
 - ii. the health or safety of any person was endangered
 - iii. where a dangerous substance was spilled
 - iv. the uncontrolled release of any substance under pressure took place
 - v. machinery or any part of machinery fractured or failed resulting in flying, falling or uncontrolled moving objects
 - vi. machinery ran out of control, to the Provincial Director of the Department of Labour within seven days and at the same time to the Client and/or its Agent on its behalf.
- b) The Principal Contractor is required to provide the Client and/or its Agent on its behalf with copies of all statutory reports required in terms of the Act and the Regulations.
- c) The Principal Contractor is required to provide the Client and/or its Agent on its behalf with a monthly "SHE Risk Management Report".
- d) The Principal Contractor is required to provide a.s.a.p. the Client and/or its Agent on its behalf with copies of all internal and external accident/incident investigation reports.

12.4 Review

The Principal Contractor is to review the Hazard Identification, Risk Assessments and Standard Work Processes at each Production Planning and Progress Report meeting as the construction work develops and progresses and each time changes are made to the designs, plans and construction methods and processes.

The Principal Contractor must provide the Client and/or its Agent on its behalf, other Contractors and all other concerned parties with copies of any changes, alterations or amendments as contemplated in the above paragraph.

12.5 Site Rules and other Restrictions

a) Site OH&S Rules

The Principal Contractor must develop a set of site-specific OH&S rules that will be applied to regulate the Health and Safety Plan and associated aspects of the construction. When required for a site by law, visitors and non-employees upon entering the site shall be issued with the proper Personal Protective Equipment (PPE) as and when necessary.

b) Security Arrangements

The Principal Contractor must establish site access rules and implement and maintain these throughout the construction period.

12.6 Training

a) General Induction Training

All employees of the Principal and other Contractors must be in possession of proof of General Induction training

b) Other Training

All operators, drivers and users of construction vehicles, mobile plant and other equipment must be in possession of valid proof of training.

12.7 Accident and Incident Investigation

The Principal Contractor is responsible to oversee the investigation of all accidents/incidents where employees and non-employees were injured to the extent that he/she/they had to receive first aid or be referred for medical treatment by a doctor, hospital or clinic. (General Administrative Regulation 9)

The Principal Contractor is responsible for the investigation of all non-injury incidents as described in Section 24 (1) (b) & (c) of the Act and keeping a record of the results of such investigations including the steps taken to prevent similar incidents in future.

Notwithstanding the requirements of Section 24 of the Act, ALL incidents shall be investigated and reported on in writing, irrespective of whether such incident gave rise to injury or damage.

13 OUTLINED DATA, REFERENCES AND INFORMATION ON CERTAIN AND/OR SPECIFIC OBLIGATORY REQUIREMENTS TO ENSURE COMPLIANCE

OHS Act Section/ Regulation	Subject	Requirements
Construction. Regulation	Notice of carrying out Construction work	<ul style="list-style-type: none"> • Department of Labour notified • Copy of Notice available on Site
General Admin. Regulation 4	Copy of OH&S Act (Act 85 of 1993)	<ul style="list-style-type: none"> • Updated copy of Act & Regulations on site. • Readily available for perusal by employees.
COVID Act Section 80	Registration with Compens. Insurer	<ul style="list-style-type: none"> • Written proof of registration/Letter of good standing available on Site
Construction. Regulation 4 & 5(1)	H&S Specification & Programme	<ul style="list-style-type: none"> • H&S Spec received from Client and/or its Agent on its behalf • OH&S programme developed & Updated regularly
Section 8(2)(d) Construction. Regulation	Hazard Identification & Risk Assessment	<ul style="list-style-type: none"> • Hazard Identification carried out/Recorded • Risk Assessment and – Plan drawn up/Updated • RA Plan available on Site • Employees/Sub-Contractors informed/trained
Section 16(2)	Assigned duties (Managers)	<ul style="list-style-type: none"> • Responsibility of complying with the OH&S Act assigned to other person/s by CEO.
Section 37(1) & (2)	Agreement with Mandatories/ (Sub-)Contractors	<ul style="list-style-type: none"> • Written agreement with (Sub-)Contractors • List of Subcontractors displayed. • Proof of Registration with Compensation Insurer/Letter of Good Standing
Section 24 & General Admin. Regulation 8 COVID Act Sect.38, 39 & 41	Reporting of Incidents (Dept. of Labour)	<ul style="list-style-type: none"> • Incident Reporting Procedure displayed. • All incidents in terms of Sect. 24 reported to the Provincial Director, Department of Labour, within 3 days. (Annexure 1)(WCL 1 or 2) and to the Client and/or its Agent on its behalf • Cases of Occupational Disease Reported • Copies of Reports available on Site • Record of First Aid injuries kept

General Admin. Regulation 9	Investigation and Recording of Incidents	<ul style="list-style-type: none"> • All injuries which resulted in the person receiving medical treatment other than first aid, recorded and investigated by investigator designated in writing. • Copies of Reports (Annexure 1) available on Site • Tabled at H&S Committee meeting • Action taken by Site Management.
Construction. Regulation Driven Machinery Regulations 18 & 19	Cranes & Lifting Machines Equipment	<ul style="list-style-type: none"> • Competent person appointed in writing to inspect Cranes, Lifting Machines & Equipment • Written Proof of Competence of above appointee available on Site. • Cranes & Lifting tackle identified/numbered • Register kept for Lifting Tackle • Log Book kept for each individual Crane • Inspection: - All cranes - daily by operator <ul style="list-style-type: none"> - Tower Cranes/s - after erection/6monthly - Other cranes - annually by comp. person • - Lifting tackle(slings/ropes/chain slings etc.) - daily or before every new application
General Safety Regulation 3	First Aid	<ul style="list-style-type: none"> • Every workplace provided with sufficient number of First Aid boxes. (Required where 5 persons or more are employed) • First Aid freely available • Equipment as per the list in the OH&S Act. • One qualified First Aider appointed for every 50 employees. (Required where more than 10 persons are employed) • List of First Aid Officials and Certificates • Name of person/s in charge of First Aid box/es displayed. • Location of First Aid box/es clearly indicated. • Signs instructing employees to report all Injuries/illness including first aid injuries • PSE Risk Assessment carried out • Items of PSE prescribed/use enforced
General Safety Regulation 2	Personal Safety Equipment (PSE)	

		<ul style="list-style-type: none"> • Records of Issue kept • Undertaking by Employee to use/wear PSE • PSE remain property of Employer, not to be removed from premises GSR 2(4)
General Safety Regulation 13A	Inspection of Ladders	<ul style="list-style-type: none"> • Competent person appointed in writing to inspect Ladders • Ladders inspected at arrival on site and weekly there after. Inspections register kept • Application of the types of ladders (wooden, aluminium etc.) regulated by training and inspections and noted in register
Asbestos Regulations 5	Information and training	<ul style="list-style-type: none"> • Ensure that employees are adequately informed and trained on both practical aspects and theoretical knowledge.
Asbestos Regulations 17	Personal Protective equipment (PPE)	<ul style="list-style-type: none"> • Ensuring suitable PPE, storing of PPE, disposal of such PPE and that persons exposure is adequately controlled.
Asbestos Regulations 20	Disposal of asbestos	<ul style="list-style-type: none"> • Safe disposal and handling of asbestos or asbestos containing material.

14. LOCKOUT PROCEDURE

Contractors undertaking maintenance and repair work must submit a suitably documented lockout/tag-out procedure to be approved before work commences.

15. HOUSEKEEPING

Good housekeeping will be maintained at all times as per Construction Regulation No. 25. Poor housekeeping contributes to three major problems, namely, costly or increased accidents, fire or fire hazards and reduction in production. Good housekeeping will enhance production time.

In promotion of environmental control all waste, rubble, scrap etc, will be disposed of at a registered dump site and records will be maintained. Where it is found to be impractical to use a registered dump site or it is not available, the Principal Contractor will ensure that the matter is brought to record with the client or his representative, after which suitable, acceptable alternatives will be sought and applied.

Dross and refuse from metals, and waste matters or by-products whose nature is such that they are poisonous or capable of fermentation, putrefaction or constituting a nuisance shall be treated or disposed of by methods approved of by an inspector.

NOTE: No employer (Principal Contractor) shall require or permit any person to work at night or after hours unless there is adequate, suitable artificial lighting including support services in respect of Health and Safety.

16. ELECTRICAL EMERGENCY RESPONSE PROCEDURE

Contractors undertaking electrical maintenance and repair work must submit a suitably documented Electrical Emergency Response Procedure to be approved before work commences.

17. Compliance to COVID Directives

The Contractor should comply with Directives of Dept. of Health and Dept. Of Labour and Employment.

10.1 Induction wrt COVID-19 is mandatory.

10.2 Specific COVID-19 PPE is mandatory

3

PART C3: SCOPE OF WORKS

PG 01.2 (EC) SCOPE OF WORKS – JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018)

Project title:	DE AAR MAGISTRATE COURT-REPAIRS TO FIRE DAMAGE BUILDING		
Tender / Quotation no:	KIM 15/2023	Reference no:	19/2/4/2/2/2373

C3. Scope of Works

1. GENERAL

- (a) *The Standard for Uniformity in Construction Procurement published in terms of the Construction Industry Development Board (CIDB) Act, 2000 (Act no. 38 of 2000), the Standardized Construction Procurement Documents for Engineering and Construction Works as issued by the CIDB and any other relevant documentation pertaining thereto must be studied and all principles in this regard must be applied to all procurement documentation, practices and procedures.*
- (b) *The consultant(s)/project manager must acquaint themselves fully with all relevant matters pertaining to this section in order to enable prospective tenderers to price for all eventualities.*

The following serves as a guideline only with regard to items to be included in the Scope of Works.

All the associated services e.g. plumbing, electrical, electronic and mechanical work as well as the installation of a lift for persons living with disabilities and an alarm system.

- Mechanical installation consisting of the HVAC installation including wet services
- The Fire Protection installation includes the fire hose reels and portable fire extinguisher installation where needed.
- Electrical installation consists of the replacement of the small power- and lighting installation including distribution boards and low voltage supply cables with respect to the complete ground- and first floor of the court building that was damaged in the fire.
- Electronic installation comprises the Access control system, Telephone and Data system, Court Recording system, and CCTV installation with respect to the complete ground- and first floor of the court building that was damaged in the fire.

C3.1 EXTENT OF THE WORKS

The work at the existing court building comprises of the Repairs to the fire damaged section of the double story building. The ground floor level will also require some refurbishments due to the damaged caused while the fire was put out.

C3.2 ORDER OF THE WORKS

N/A

C3.3 BUILDINGS OCCUPIED

The building will be in use during the construction period.

C3.4 ACCESS

Controlled access, TBC with the client

C3.5 STANDARD MINIMUM REQUIREMENTS

In terms of section 5(2) of the Construction Industry Development Board Act, 2000 (Act no. 38 of 2000) (the Act), the Construction Industry Development Board is empowered to establish and

promote best practice standards, Standard Requirements and Guidelines which includes the following but not limited to:

- C3.5.1 cidb Best Practice: Green Building Certification, No. 34158 Government Gazette, 1 April 2011
- C3.5.2 cidb Standard for Developing Skills through Infrastructure Contracts, No. 36760 Government Gazette, 23 August 2013
- C3.5.3 cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013
- C3.5.4 cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts, No. 41237 Government Gazette, 10 November 2017
- C3.5.5 cidb Standard for Minimum Requirements for Engaging Contractors and Sub-Contractors on Construction Works Contracts, No. 41237 Government Gazette, 10 November 2017
- C3.5.6 cidb Standard for Minimum Requirements for Engaging Contractors and Sub- Contractors on Construction Works Contracts, No. 42021 Government Gazette, 9 November 2018
- C3.5.7 cidb Standard for Developing Skills through Infrastructure Contracts, No 48491 Government Gazette, 23 April 2023.

C3.6 CONTRACT PARTICIPATION GOALS AND CIDB BUILD PROGRAMME

Provision has been made within the Contract Participation Goal section in the Bill of Quantities for the respective CPGs. Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

Monthly progressive reports to be submitted to the Employer's representative indicating the percentage targets achieved which must be reconciled upon completion of the project and to form part of the final account.

The contractor shall achieve in the performance of this contract the following Contract Participation Goals (CPGs) as indicated below.

C3.6.1 Minimum Targeted Local Material Manufacturer Contract Participation Goal

The Minimum Targeted Local Building Material Manufacturers CPG is not *applicable* to this project.

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprise Local Material Manufacturers (SMME's) in executing this contract, irrespective whether a minimum percentage Participation Goals is applicable or not.

The Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020.

A Targeted Local Material Manufacturer is a targeted enterprise that operates or maintains a factory or establishment that produces on its premises materials or goods required by the principal contractor for the performance of the contract.

Note: Adapted from SANS 10845-7:2015, definition 2.13

Preference shall be given to the Targeted Local Material Manufacturer where feasible in **insert applicable Ward/s, Municipal District, Town, City, Province**, and provided that:

- (a) Such materials comply in all respects with the specific requirements of PW371 and SANS specifications,
- (b) The non-availability of such materials shall not adversely affect the desired progress of the specific works,
- (c) The use of such suppliers shall not constitute grounds for any claim for increased cost in respect thereof,
- (d) Materials of at least **insert applicable percentage, both in words and figures** of the total value of materials purchased excluding VAT to be sourced from within **insert applicable kilometers** radius of the project site,
- (e) Material of at least **insert applicable percentage, both in words and figures** of the total value of materials purchased excluding VAT to be sourced from within **insert applicable kilometers** radius of the project site.

Failure to achieve the minimum specified value as indicated in the CPG Bill of Quantity Section for Targeted Local Material Manufacturer participation will result in a **thirty percent (30%)** penalty of the prorated targeted value of materials not complied with unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The contractor shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

C3.6.2 Minimum Targeted Local Building Material Suppliers Contract Participation Goal

The Minimum Targeted Local Building Material Suppliers CPG is *applicable* to this project.

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprise Local Material Suppliers (SMME's) in executing this contract, irrespective whether a minimum percentage Participation Goals is applicable or not.

The Minimum Targeted Local Manufacturers of Material Contract Participation Goal shall be achieved in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract..

A targeted supplier is a targeted enterprise that

- a) owns, operates or maintains a store, warehouse or other establishment in which goods are bought, kept in stock and regularly sold to wholesalers, retailers or the public in the usual course of business; and
- b) engages, as its principal business and in its own name, in the purchase and sale of goods.

Note: Adapted from SANS 10845-7:2015, definition 2.14

Preference shall be given to the local material suppliers where feasible in the **De Aar, Northern Cape Province**, and provided that:

- (a) Such materials comply in all respects with the specific requirements of PW371 and SANS specifications,
- (b) The none availability of such materials shall not adversely affect the desired progress of the specific works,
- (c) The use of such suppliers shall not constitute grounds for any claim for increased cost in respect thereof,
- (d) Materials of at least **3%** of the total value of materials purchased excluding VAT to be sourced from within **400km** of the project site,
- (e) Material of at least **3%** of the total value of materials purchased excluding VAT to be sourced from within **400km** of the project site.

Failure to achieve the minimum specified value as indicated in the CPG Bill of Quantity Section for Targeted Local Material Manufacturer participation will result in a **thirty percent (30%)** penalty of the prorated targeted value of materials not complied with, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

C3.6.3 Minimum Targeted Local Labour Skills Development Contract Participation Goal

The Minimum Targeted Local Labour Skills Development CPG is applicable to this project.

It is the requirement of the employer that the contractor enhances the use of local labour in executing this contract. This is required to be done through the use of both traditional building techniques and labour-intensive construction techniques careful and considered construction planning and implemented in the project irrespective whether a minimum percentage Participation Goal is applicable or not.

The Minimum Targeted Local Skills Development Contract Participation Goal shall be achieved in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract..

Targeted labour: individuals who:

- a) are employed by the principal contractor, sub-contractor or targeted enterprises in the performance of the contract;
- b) are defined as the target group in the targeting data; and
- c) permanently reside in the target area or who are recognized as being residents of the target area on the basis of identification and association with and recognition by the residents of the target area.

Adapted from SANS 10845-7:2015, definition 2.12

Targeting of labour by skills categories is only permissible within categories of semi-skilled and unskilled labour.

Contract participation goals for semi-skilled and unskilled labour shall be limited to on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract and in a manner that does not compromise worker health and safety. In the case of targeted labour, the certification of records shall be in accordance with SANS 10845-8.

Beneficiaries will be sourced from the **De Aar, Northern Cape Province** for the full duration of the Construction Period, employed by either the principal contractor, sub-contractors or targeted enterprises. The total number of working days to complete the Works amount to **355** working days. The minimum CPG participation for Targeted Local Labour Skills Development is **1, 5**, expressed as a percentage of the total number of working days required to complete the Works. The contractor shall attain or exceed the CPG in the performance of the contract. Failure to achieve the minimum Targeted Local Labour Skills Development CPG will result in a payment reduction of **R5 000 (Excluding VAT)**, per working day which training has not been provided to the workforce in attendance, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

C3.6.4 CIDB BUILD PROGRAMME: Minimum Targeted Enterprise Development Contract Participation Goal

The Minimum Targeted Enterprise Development Contract Participation Goal is *applicable* to this project.

The aim of this best practice standard for indirect targeting for enterprise development in accordance with the Standard for Indirect Targeting for Enterprise Development (published in Government Gazette 36190 of 25 February 2013), as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract. is to promote enterprise development by providing for a minimum Contract Participation Goal (CPG) of **30%** of the contract amount as defined in the Standard (Tender amount, excluding allowances and VAT) on selected contracts to be undertaken by joint-venture partners or to be sub-contracted to developing contractors that are also to be beneficiaries of enterprise development support from the main contractor.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

The lead partner or main contractor shall dedicate a **minimum 30%** of the tender value at the time of award, excluding allowances and VAT, to provide developmental support to targeted subcontractor or joint venture partner applicable to contracts in Grades 7 to 9, General Building and Civil Engineering contracts. Preference will be given to General building, plumbing, mechanical and electrical Enterprises.

Failing to achieve the targeted Contract Skills Development Goal will result in A) a thirty percent (30%) penalty of the value of the portion not achieved, excluding VAT, and B) the issuing of completion certificates only after the completion certificate of achieving the skills development goal, counter-signed by the relevant individuals has been submitted, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

C3.6.4.1 Criteria

The main or lead partner of the successful bidder shall:

- (a) There must be a needs analysis for indirect targeting and development or skill standard and should be development in at least any two developmental areas namely;
 - Administrative and cost control systems
 - construction management systems and plans
 - planning, tendering and programming
 - business; technical; procurement skills
 - legal compliance
 - credit rating/history; financial loan capacity/history
 - contractual knowledge
- (b) The above needs analysis shall be mutually agreed upon between contractor and targeted enterprise
- (c) The contractor shall appoint an enterprise development coordinator to:
 - perform needs analysis on the targeted enterprise to identify developmental goals
 - develop a project specific enterprise development plan to improve the targeted enterprise/s performance in the identified developmental areas
 - provide internal mentorship support to improve the targeted enterprise/s performance
 - monitor and submit to the employer's representative a monthly enterprise development report thereby reporting on the progress of the agreed development areas with the targeted enterprise/s

- submit a project completion report to the Employer's representative for each targeted enterprise.

C3.6.4.2 Management

The contractor shall provide a competent person/s to provide internal mentorship to the Targeted Enterprise/s in the two agreed developmental areas.

C3.6.4.3 Competence Criteria for an Enterprise Development Co-ordinator

The enterprise development co-ordinator shall have the following competencies:

- Minimum experience of 5 years in the construction industry at Managerial level as a Site Agent, Contracts Manager, Site Manager, Construction Manager, Business Development Manager or Enterprise Development Manager.
- Minimum experience of 2 years in training and development in Building or Construction; and
- National Diploma or B Degree in the Built Environment or Business Management

C3.6.4.4 Format of Communications

The contractor shall submit to the Employer's Representative:

- *Project interim reports* in the specified format (**ED105P**) detailing interim values of the CPG that was achieved together with an assessment of the enterprise development support provided should be tabled and discussed at least monthly at progress meetings between employer's representative and the contractor;
- *Project completion report* in the specified format (**ED101P**) to the Employer's Representative for acceptance within 15 days of achieving practical completion. The report shall include the value of the CPG that was certified in accordance with the contract, cidb registration numbers of each and every targeted enterprise, and the value of the subcontracted works or of the joint venture entered into; and the participation parameter
- *Enterprise development declaration* (**ED104P**).

C3.6.4.5 The Key Personal

The contractor shall appoint an Enterprise Development Co-ordinator and a competent person/s to provide internal mentorship.

C3.6.4.6 Management Meetings

The contractor shall report to the Employer's Representative on the implementation and progress of the targeted enterprise development and CPG at monthly progress site meetings.

C3.6.4.7 Forms for contract administration

The contractor shall submit to the Employer's Representative the following proformas:

- Form ED 105P Project Interim Report
- Form ED 104P Enterprise Development Declaration
- Form ED 101P Project Completion Report

C3.6.4.8 Records

The contractor shall:

- keep records of the targeted enterprise development
- keep records of the payments made to the targeted enterprises in relation to the CPG.
- ensure all the documentation required in terms of the Standard is provided with each monthly progress payment certificate and according to a prescribed format where applicable.

C3.6.4.9 Payment Certificates

The contractor shall:

- achieve the measurable CPG and providing enterprise development support to the targeted enterprise/s as per the Standard.
- submit payment certificates to the Employer Representative at intervals determined in the Contract.

C3.6.4.10 Compliance requirements

Non-compliance with the Best Practice Project Assessment Scheme

The wording of regulation 27A of the cidb regulations makes provision for the Board to enforce the cidb code of conduct in the event of clients being found to be in breach of the best practice project assessment scheme.

- Not including the requirements of the cidb standards in the conditions of tender
- Not registering the award of contract on the cidb Register of Projects (RoP)
- Not reporting practical completion on the cidb Register of Projects (RoP)

3.6.5 **CIDB BUILD PROGRAMME: Minimum Targeted Contract Skills Development Goal (CSDG)**

The Minimum Targeted Contract Skills Development CPG is *applicable* to this project.

The contractor shall achieve or exceed in the performance of the contract the Contract Skills Development Goal (CSDG) established in the Standard for Developing Skills through Infrastructure Contracts (published in Government Gazette No 48491 of 23 April 2023 and the cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.

Failing to achieve the targeted Contract Skills Development Goal will result in A) a **thirty percent (30%)** penalty of the value of the portion not achieved, excluding VAT, and B) the issuing of completion certificates only after the completion certificate of achieving the skills development goal, counter-signed by the relevant individuals has been submitted, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the Standard and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.

C3.6.5.1 Methodology

The contractor shall achieve the measurable contract skills development goal by providing opportunities to learners requiring structured workplace learning using one or a combination of any

of the following in relation to work directly related to the contract or order:

Method 1: structured workplace learning opportunities for learners towards the attainment of a part or a full occupational qualification;

Method 2: structured workplace learning opportunities for apprentices or other artisan learners towards the attainment of a trade qualification leading to a listed trade (GG No. 35625, 31 August 2012) subject to at least sixty percent (60%) of the artisan learners being holders of public TVET college qualifications;

Method 3: work integrated learning opportunities for University of Technology or Comprehensive University students completing their national diplomas;

Method 4: structured workplace learning opportunities for candidates towards registration in a professional category by a statutory council.

The contract skills participation goals, expressed in Rand, shall not be less than the contract amount multiplied by a percentage (%) factor given in Table 1 in the Standard for the applicable class of construction works.

Table 1: Contracting skills development goals for different classes of engineering and construction works contracts

Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)
Designation	Description	
CE	Civil Engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 2 in the Standard and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.

Table 2: Notional Cost of Training per Headcount

Source: cidb Standard for Skills Development

Type of Training Opportunity	Provision for stipends (Unemployed learners only)	Provisions for mentorship	Provisions for additional costs*	Total costs	
				Unemployed learners	Employed learners
Method 1					
Occupational qualification	R7 000	R0	R9 000	R16 000	R9 000
Method 2					
TVET College graduates	R14 000	R0	R9 000	R23 000	N/A
Apprenticeship	R14 000	R0	R12 000	R26 000	R12 000
Method 3					
P1 and P2 learners	R24 000	R20 000	R4 500	R48 500	N/A
Method 4					
Candidates with a 3 year diploma	R37 000	R20 000	R4 500	R61 500	R20 000
Candidates with 4 year qualification	R47 000	R20 000	R4 500	R71 500	R20 000

Note: the required CPG will be recalculated based on the awarded tender amount and "Contract amount" once the beneficiaries have been appointed and actual costs are known. The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI. Should the rates increase after bid award or during construction the rates will be adjusted as a remeasuarble item.

- (a) The successful contractor may employ part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates directly or through a Skills Development Agency (SDA), (A1 - List of cidb accredited SDAs).
- (b) The successful contractor must employ at least sixty percent (60%) of the learners from an FET / TVET college should the contractor select to have part/full occupational qualification learners and trade qualification learners contributing to the CSDG.
- (c) The successful contractor shall employ at least 0,5% from eligible part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates in the employment of the employer.
- (d) The successful contractor shall ensure that no single method shall contribute more than seventy five percent (75%) of the CSDG for the contract.
- (e) The successful contractor may only place thirty three percent (33%) employed employees or that of his subcontractors contributing to the CSDG.
- (f) The contractor shall employ at least sixty percent (60%) of the learners from a Public FET / TVET college should the contractor select to have trade qualification learners (Method 2) contributing to the CSDG.
- (g) One of the objectives of the project is to train 4 Occupational qualifications, trade qualification, work integrated learners – P1 and P2 learners, professional candidates.

C3.6.5.2 Management

- (a) The successful contractor must keep site records regarding the part/full occupational qualification learners', trade qualification learners', work integrated learners' or progress, site attendance, hours worked and other relevant information as required by the Standard.
- (b) The successful contractor shall provide the required number of appropriately qualified mentors to the maximum number of part/full occupational qualification learners, trade qualification learners, work integrated learners in the proportion as specified in the Standard.

- (c) The successful contractor shall provide a supervisor to manage the training of the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates.
- (d) The successful contractor shall submit to the employer's representative a baseline training plan in the specified format (Pro-forma A2) for the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates within 30 days of start of the contract.
- (e) The successful contractor shall submit to the employer's representative project interim report in the specified format (Pro-forma A3) on the progress of each of part/full occupational qualification learner, trade qualification learner, work integrated learner, candidate every three months.
- (f) The successful contractor shall submit to the employer's representative the names and particulars in the specified format (Pro-forma A4) of the supervisor, mentors for the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates within 30 days of start of the contract.
- (g) The successful contractor shall keep a daily record of all the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates on site and their daily activities and shall be made available to the employer's representative on request.
- (h) The successful contractor shall submit to the employer's representative the reports on the progress and status of the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates with the monthly invoice for the payment certificate.
- (i) The successful contractor shall have health and safety inductions for all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates
- (j) The successful contractor shall conduct entry and exit medical tests of all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates
- (k) The successful contractor shall provide personal protective equipment (PPE) to all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates at the start of their employment on site.
- (l) Based on the agreed skills methods the contractor may employ part/full Occupational Qualification Learners and /or Trade Qualification Learners and/or Work Integrated Learners and/or Candidates directly or through a Skills Development Agency (SDA), training provider or skills development facilitator (Form A1 - List of cidb accredited SDAs). The contractor shall ensure that no more than one Method shall be applied to any individual concurrently in the calculation of the CSDG for the contract.

C3.6.6 NATIONAL YOUTH SERVICE TRAINING AND DEVELOPMENT PROGRAMME (NYS)

The National Youth Service Training and Development Programme is *applicable* to this project.

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. Monthly reports are to be submitted to the Employer's Representative.

Failure by the contractors to achieve the specified number to be trained in the NYS section of the CPG section within the Bills of quantities will result in a Payment reduction as per bill of quantities per person, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

C3.6.7 LABOUR-INTENSIVE WORKS

Labour Intensive Works is *applicable* to this project.

Where labour intensive work is specified in the Bill of Qualities and specified by “LI” the contractor must price for and include in rates. Contractors are expected to use their initiative to identify additional activities that can be done labour-intensively to comply with the set minimum labour intensity target. Allowance must be made for submitting monthly reports illustrating the value of the works executed under Labour Intensive Works.

Failure by the contractor to achieve the specified value of the Labour Intensive Participation Goal as stipulated within the Bills of Quantities will result in a **thirty percent (30%)** penalty of the value of the works not done by means of labour intensive methods, excluding VAT, unless the contractor can prove to the Employer’s satisfaction that the non-achievement was beyond his/her control.

Employer’s objectives:

The employer’s objectives are to deliver public infrastructure using labour-intensive methods in accordance with EPWP Guidelines.

Labour-intensive works:

Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work.

Labour-intensive competencies of supervisory and management staff:

Contractors shall only engage supervisory and management staff in labour-intensive works that have completed the skills programme including Foremen/ Supervisors at NQF level 4 “National Certificate: Supervision of Civil Engineering Construction Processes” and Site Agent/ Manager at NQF level 5 “Manage Labour-Intensive Construction Processes” or equivalent QCTO qualifications (See Appendix C) at NQF outlined in Table 1

C3.6.7.1 GENERIC LABOUR-INTENSIVE SPECIFICATION

Contractors are referred to the Guidelines for the Implementation of Labour-intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP) for the generic labour-intensive specification applicable to the contract.

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- trenches having a depth of less than 1.5 metres
- stormwater drainage
- roads
- sidewalks and non-motorised transport infrastructure
- water and sanitation

Precedence

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail

Hand excavateable material

Hand excavateable material is:

a) granular materials:

- i) whose consistency when profiled may in terms of Table 3 be classified as very loose, loose, medium dense, or dense; or
- ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;

b) cohesive materials:

- i) whose consistency when profiled may in terms of Table 3 be classified as very soft, soft, firm, stiff and stiff / very stiff; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm;

Note

1) A boulder is material with a particle size greater than 200mm, a cobble and gravel is material between 60 and 200mm.

2) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of 60° with respect to the horizontal) into the material being used.

Table 3: Consistency of materials when profiled			
GRANULAR MATERIALS		COHESIVE MATERIALS	
CONSISTENCY	DESCRIPTION	CONSISTENCY	DESCRIPTION
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp end of a geological pick.	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-40 mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10 mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of a geological pick; requires many blows for excavation.	Stiff	Can be indented by thumb-nail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumb-nail with difficulty; slight indentation produced by blow of a geological pick point.

Trench excavation

All hand excavateable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

Compaction of backfilling to trenches (areas not subject to traffic)

Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers;

a) to 90% Mod AASHTO;

b) such that in excess of 5 blows of a dynamic come penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders, or

c) such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

Excavation

All excavateable material including topsoil classified as hand excavateable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand. Any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

Clearing and grubbing

Grass and bushes shall be cleared by hand.

Shaping

All shaping shall be undertaken by hand.

Loading

All loading shall be done by hand. Haulage equipment should be selected in a manner that allows loading by hand to the greatest extent possible.

Haul

Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

Offloading

All material, however transported, is to be off-loaded by hand, unless tipper-trucks are utilised for haulage.

Spreading

All material shall be spread by hand.

Compaction

Small areas may be compacted by hand provided that the specified compaction is achieved. Appropriate rollers should be used where higher (than can be achieved by hand) levels of compaction are required or for large areas.

Grassing

All grassing shall be undertaken by sprigging, sodding, or seeding by hand.

Stone pitching and rubble concrete masonry

All stone required for stone pitching and rubble concrete masonry, whether grouted or dry, must to be collected, loaded, off loaded and placed by hand.

Sand and stone shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

Grout shall be mixed and placed by hand.

Manufactured Elements

Elements manufactured or supplied by the Contractor, such as manhole rings and cover slabs, precast concrete planks and pipes, masonry units and edge beams shall not individually, have a mass of more than 320kg. Where the mass of an element exceeds 55 kg, consideration should be given to the size of the element relative to its total mass related to the number of workers who would be needed to lift such mass

C3.7 Submission of Accrual Reports

The Contractor shall submit accrual reports to the client representative at the end of March and September each year for the duration of the Service Contract period from the date of appointment up to and including project closeout. This is to ensure that PMTE complies with the accounting framework GRAP, which requires that PMTE disclose all its accruals as at the end of each reporting date.

C3.8 Submission of Monthly Local Material Utilisation Report (Local Content)

Submission of Monthly Local Material Utilisation Report (Local Content) *applicable to this project.*

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

The Contractor shall when applicable to this project, be responsible for record keeping, documenting and submission of monthly local material utilization report with supporting documentation to the Employer's representative within 7 working days of the beginning of the successive month, in terms of DTI&C designated industry/sector/sub-sector schedule as per the PA36 and Annexures C attached to the tender document. The final percentage achievement to be reconciled upon completion of the project and form part of the final account.

Failure by the contractor to achieve the specified percentage of local content per designated industry/sector/sub-sector as listed will result in a thirty percent thirty percent (30%) penalty of the value not achieved, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

Examples of calculating CPGs and related penalties

CPGs values are based on the Tender Amount at the time of the award. Determining the actual values is based either on the Tender Amount including allowances and Vat or the Tender Amount at the time of award excluding allowances and VAT, where Allowances include the following:

- Provisional amounts
- CPG allowances
- Nominated and/or selected subcontractors
- Contract price adjustment (Not provided for within the B of Q by NDPWI)
- Contingency amounts (Not provided for within the B of Q by NDPWI)

CPG values in the CPG Bill of Quantities Section will be recalculated based on the “Tender Amount” or the “Contract Amount” which ever applicable and the provisional amounts adjusted accordingly. Sanctions (penalties) are applicable to all CPGs where the contractor fails to achieve the minimum specified requirements, unless the contractor can prove to the Employer’s satisfaction that the non-achievement was beyond his/her control. No penalties will be applied should the CPG value, based on the original “Tender Amount” or the “Contract Amount”, has been achieved.

1.1 Targeted Local Building Material Manufacturers CPG

When applicable, the CPG is expressed as a percentage of the “Contract Amount”, i.e. the Tender Amount at the time of award excluding allowances and VAT.

CPG calculation example:

“Tender Amount” = R150 Mil all inclusive of allowances and VAT
“Contract Amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG to be achieved = 5% as specified in the Scope of Works (PG01.2)
CPG target value = R130 Mil x 5% = R 6,5 Mil (Value of material to be purchased from local manufacturers, excluding VAT)

Calculation of penalty:

Percentage penalty applicable = 10% as specified in the Scope of Works (PG01.2)
CPG target value = R6,5 Mil excluding VAT
CPG Achieved = R5,5 Mil (R1 Mil shortfall) excluding VAT
Penalty = R1 Mil x 10% = R100 000 excluding VAT

1.2 Targeted Local Building Material Suppliers CPG

When applicable, the CPG is expressed as a percentage of the “Contract Amount”, i.e. the Tender Amount at the time of award excluding allowances and VAT.

CPG calculation example:

“Tender Amount” = R150 Mil all inclusive of allowances and VAT
“Contract Amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG to be achieved = 5% as specified in the Scope of Works (PG01.2)
CPG target value = R130 Mil x 5% = R 6,5 Mil (Value of material to be purchased from local suppliers, excluding VAT)

Calculation of penalty:

Percentage penalty applicable = 20% as specified in the Scope of Works (PG01.2)
CPG target value = R6,5 Mil excluding VAT
CPG Achieved = R5,5 Mil (R1 Mil shortfall) excluding VAT
Penalty = R1 Mil x 20% = R200 000 excluding VAT

1.3 Targeted Local Labour Skills Development CPG

When applicable, the CPG is expressed as a percentage of the total number working days required to Any reference to words “Bid” or Bidder” herein and/or in any other documentation shall be construed to have the same meaning as the words “Tender” or “Tenderer”.

complete the Works.

CPG calculation example:

“Tender Amount” = R150 Mil all inclusive of allowances and VAT
 “Contract amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
 Number of working days required to complete the Works based on the construction period = 600 days
 CPG percentage participation to be achieved = 30% as specified in the Scope of Works (PG01.2)
 Required number of working days training to be provided = 180 days (600 x 30%)

Calculation of penalty:

Payment reduction = R 5 000 per day for not providing training as specified in the Scope of Works (PG01.2)
 CPG = 600 working days x 30% = 180 working days training to be provided
 CPG Achieved = 160 days (20 days shortfall where no training was provided)
 Penalty = 20 days x R5 000 payment reduction per day= R100 000 excluding VAT

1.4 Cidb BUILD Programme: Enterprise Development

When applicable, the Enterprise Development CPG expressed as a percentage of the “Contract amount” = Tender amount at the time of award excluding allowances and VAT. Failure to achieve the minimum Targeted Local Labour Skills Development CPG will result in a payment reduction of an amount specified in the Scope of Works (PG01.2) per working day where training was not provided.

The monetary value of training to be provided is stipulated in the CPG BoQ section. The number of beneficiaries to be trained is dependent on the “Contract Amount” as well the number of beneficiaries appointed which will generally resort under the Grade 1 and 2 cidb categories. The provisional amount will therefore be adjusted in terms of the “contract Amount”, the number of beneficiaries to be trained and the actual cost for providing the training.

Part 1: Calculation of 5% CPG example:

“Tender Amount” = R150 Mil all inclusive of allowances and VAT
 “Contract Amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
 CPG percentage participation to be achieved = 5% as specified in the Scope of Works (PG01.2) CPG value = R6,5 Mil (Value of work to be subcontracted to emerging enterprises)

Calculation of penalty

Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.2)
 CPG Minimum 5% = R6,5 Mil
 Achieved = R5,5 Mil (Only subcontracted work to the value of R5,5 Mil, i.e. R1 Mil shortfall)
 Penalty = R1 Mil x 30% = R300 000 Excl. VAT

Part 2: Calculations in terms of training to be done:

The number of enterprises to be developed is subject to the contract amount and the apportionment of the work as per Example 1 below.
 Number of enterprises to be trained = 6 x 1 GB subcontractors
 Total cost for training = R 1 660 000

Calculation of penalty

Total number of enterprises to be trained = 6
 Total number trained = 4 (2 Shortfall)
 Training cost per beneficiary = R1 660 000 / 6 = R 276 666,67 per beneficiary
 Penalty = R 276 666,67 x 2 x 30% = R166 000 Excl. VAT

B of Q Item	Description	Unit	Rate	Quantity	Amount (R)
5	Enterprise Development				
5.1	Enterprise Development of Targeted Enterprise or JV partners				
5.1.1	Appointment of training co-ordinator	Per Quarter	45 000	8	360 000
5.1.2	Appointment of Mentor /Training Service provider	Per Quarter	135 000	8	1 080 000

B of It	Description	Unit	Rate	Quantity	Amount (R)
5.1.3	Needs Analysis and Enterprise Development Plan per Targeted Enterprise	No.	5 000	6	30 000
5.1.4	Monitoring and Interim reporting per targeted enterprise	Per Quarter	20 000	8	160 000
5.1.5	Project Completion report per Targeted Enterprise	No.	5 000	6	30 000
	Provisional Sum to be carried over to CPG bill of quantities				1 660 000

"Contract amount" Tender amount excl. allowances and VAT. 130 000 000
 CPG Monetary value (5%) to be subcontracted to beneficiaries for training 6 500 000
 No of enterprises based on the CPG value 6 Grade 1 / 2 GB/CE,ETC.
 Contract period (months) 24
Note: Rates to be determined by PQS and adjusted to accepted quotation amounts

1.5 Cidb BUILD Programme: Skills Development (Principal contractor including subcontractors and consultants)

When applicable, the contract skills development participation goals, expressed in Rand, shall be no less than the "contract amount" multiplied by a percentage (%) factor for the applicable class of construction works.

The monetary value of training to be provided is stipulated in the CPG BoQ section. The number of beneficiaries to be trained is dependent on the "Contract Amount" as well the number of beneficiaries appointed which will generally resort under the Grade 1 and 2 cidb categories. The provisional amount will therefore be adjusted in terms of the "Contract Amount", the number of beneficiaries to be trained from which Method and the actual cost for providing the training.

CPG Calculation

Table 2: Contracting skills development goals for different classes of engineering and construction works contracts

Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020 (Page 7)

Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)
Designation	Description	
CE	Civil Engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

"Contract amount" = Tender amount at the time of award excluding allowances and expenses, and VAT

Contractor CPG:

CPG calculation

"Contract amount" x factor from Table 3 above.

CPG calculation example:

"Tender Amount" = R150 Mil for GB, all inclusive of allowances and VAT

"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)

Factor for GB = 0,5% (as per Table 2 above)

CPG in R value = R130 Mil x 0,5% = R650 000 i.e. total notional cost of training to amount to R650 000

Calculation of penalty:

Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.2)

CPG value = R650 000

Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

Achieved = R550 000 = R100 000 Shortfall
Penalty = R100 000 x 30% = R30 000 Excl. VAT

Calculations based on “Contract Amount” after bid award and appointment of beneficiaries

Actual CPG training requirement value after award upon selecting method/s of training and appointment of beneficiaries = R676 000 (Table 4 below) and the provisional amount allowed for to be adjusted accordingly. The new monetary value of training required will then form the basis for determining penalties applicable. No penalties will be applied should the CPG value, based on the “Contract Amount” be achieved.

Table 4: Notional cost recalculation upon appointment of beneficiaries.

Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020 (Page 10)

Skills Types	Number of learners	Notional Cost / Learner / Quarter	Notional cost / learner / year	Total Notional Cost over 12 months Contract
Method 2: Workplace learning opportunities, with unemployed TVET graduates	2	R23 000	R92 000	R184 000
Method 3: Candidacy for an unemployed learner with a 3-year qualification	2	R61 500	R246 000	R492 000
Total	4			R676 000

Note: the required CPG will be recalculated based on the awarded Tender amount and “Contract Amount” once the beneficiaries have been appointed and actual costs are known

Note: The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI as published by Stats SA. The rates will be adjusted as an adjustment to the provisional amounts should the rates increase after bid award or during the construction period

1.6 National Youth Service Programme (NYS) CPG

When applicable, a separate NYS Bill of Quantities will be included in the tender documentation will indicate the number of beneficiaries to be trained.

Calculation of penalty:

Payment reduction per person not trained as stipulated in the NYS Bill of Quantities = R 2 500 per person.

Total number of NYS Beneficiaries as stipulated in the NYS Bill of Quantities = 25

Total Number of NYS beneficiaries trained = 20 (shortfall of 5 beneficiaries)

Penalty = 5 x R2 500 = R12 500 Excl. VAT

1.7 Labour Intensive Works CPG

When applicable, the work to be done by way of Labour intensive methods are specified in the Bills of Quantities with a “LI”.

CPG calculation example:

“Tender Amount” = R150 Mil all inclusive of allowances and VAT

“Contract Amount” = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)

CPG value = R10 Mil (Total value of labour-intensive works specified in the Bills of Quantities)

Calculation of penalty:

CPG value = R10 Mil

Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.2)

CPG Achieved = 9 Mil (R1 Mil shortfall)

Penalty = R1 Mil x 30% = R300 000 Excl. VAT