

WALL FINISH EXTERIOR

GENERAL

Existing plastered & painted

1. Remove all loose material and flaking residue by means of wire brushing.
2. Remove loose and peeling paint back to a firm edge by scraping, sanding or other suitable means.
3. Feather the edges with 100 grit sandpaper and ensure surface is dust free.
4. Remove surface contaminants using a soap solution.
5. For stubborn contaminants use hot water in the above mix and a bristle broom or scrubbing brush.
6. Rinse with tap water to remove all traces of sugar soap and allow to dry.
7. Open up cracks, blowholes etc. fix with filler and sanded smooth.

PAINT

1. Use a UV-resistant water based paint with a fine texture for weatherproofing. The product should contain Weather Block™ in combination with Mica & Marble to improve water resistance and prevent future hairline cracks.
2. Surface to be dry, sound and clean and cured for a minimum of 14 days, with a moisture content measured with a Doser Hygrometer (or equivalent), of BD 2 scale - 8% or less.
3. Prime with one coat plaster primer with an overcoat time of 16 hours and finish with two coats with 2 hours drying time between coats.
4. Paint to have a maintenance cycle of 12 years.
5. Colour to be approved by architect

WALLS INTERIOR

GENERAL

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3. Feather the edges with 100 grit sandpaper and ensure surface is dust free.
4. Remove surface contaminants using soap solution.
5. For stubborn contaminants use hot water in the above mix and a bristle broom or scrubbing brush.
6. Rinse with tap water to remove all traces of sugar soap and allow to dry.
7. Open up cracks, blowholes etc. fix with filler and sand to make smooth.
8. All hairline cracks to be filled and sanded smooth before painting begins. If necessary all walls to be skimmed, sanded and sealed before painting commences.

Wall tiles ± 2700mm above floor level (to u/s of ceiling)

Wall tiles ± 1500mm above floor level

WALL FINISH ALTERNATIVE

Epoxy: 0.12mm Coating

1. Apply 2 coats of a coloured semi-gloss based epoxy.
2. The substrate must be dry, free of oils waxes fats and other contaminants.
3. Apply strictly in accordance with manufacturer's specification.
4. Prepare sample panel for approval.

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WALL PLASTER BRICK

Existing plastered walls (Renovation)

1. Where necessary loose and hollow plaster is to be chipped off of walls.
2. Break out all loose and hollow plaster at least 200 mm wide all around loose plaster area, brush clean of all loose material.
3. Treat exposed area with an adhesive slurry and plaster with an admixture of 3:1 sand/cement and 3:1 water/adhesive slurry.
4. All plaster repair admixtures are to be applied strictly in accordance with manufacture's specifications.
5. Cement is to be manufactured in accordance with SANS 50197-1 and sand to conform to SANS1083
6. Chip open hairline cracks and repair with polyfilla. Sand when dry.
7. Scrape away any loose or flaking paint.
8. Sand the entire area.
9. Wash walls with sugar soap.

Existing walls to be re-plastered (Renovation)

1. Chip off all existing plaster. Take care not to damage the bricks underneath.
2. All surfaces should be clean, sound and free from contamination, laitance, loose particles. Spalling or flaking material must be removed by thorough wire brushing followed by the removal of debris by means of a soft brush. Suspect surfaces may be mechanically keyed down to virgin surfaces (randomly), which will ensure good bonding.
3. All plaster repair admixtures are to be applied strictly in accordance with the manufacturer's specifications.
4. For the rendering of walls, ceilings, columns and beams, the cleaned surface should be coated with a bonding agent and a scratch coat of plaster applied whilst the bonding agent is still wet. As soon as the scratch coat is firmly set, the rendering may be built up to the required thickness with fresh plaster.
5. Plaster 10mm - 20mm thick, finished with a wood float. Manufacturer's mix to take precedence. Cement is to be manufactured in accordance with SANS 50197-1 and sand to conform to SANS1083

FACIA

Fascias

1. EVERITE (or similar approved) medium density plain ungrooved fascia boards, size 225 x 12mm thick, fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws and to 38 x 38mm sawn softwood cleats fixed to rafter ends, with PVC H-profile fascia joiner between boards and PVC H-profile fascia corner joiners at board ends.
2. Complete with 38 x 38 x 114mm SA Pine rafter cleats skew nailed to rafter feet where rafters protrude to outer skin.
3. Fascia's to have stop-ends at Expansion joints to building.
4. Prepare surfaces and sand down to a smooth finish.
5. Apply two coats of paint & All to exterior new fiber cement.

BARDGE BOARD

Barge boards (facia)

1. Use EVERITE (or similar approved) medium density plain ungrooved fascia boards, size 225 x 12mm thick, as bargeboard.
2. Fix to 38 x 38mm trimmer battens to top and bottom edges twice screwed with 12 x 40mm countersunk brass screws with PVC H-profile fascia joiner between boards.
3. Complete with 0.8mm standard gable trim, 460mm girth.
4. Finish as elsewhere specified.
5. All in accordance with the manufacturers specification.

TILES

GENERAL

1. Allow all new plaster & concrete to dry before proceeding.
2. Surface to be tiled must have a moisture content of 5% or less before tiling can be commenced.
3. Ensure that the surfaces are clean and free of all traces of any surface contaminants.
4. Plaster surfaces must be firmly attached to brickwork, must be integrally sound (no crumbling, cracking etc.) and must be of a quality and consistency suitable for tiling.
5. All defective areas must be removed and made good.
6. Tile free from cracks, twists and blemishes according to SABS 1449-1996. Refer to specification for size and colour.
7. Fix tile to wall with setting tile adhesive mixed with bonding liquid in lieu of water and 3mm joints continuous in both directions all in conjunction with manufacturers specifications.
8. Grouting must not be carried out until sufficient bond has developed between the bedding mix and the tiles to preclude disturbance of the tiles during the grouting operation. Allow a minimum of 4 hours before grouting.

TILES

Tile: Glazed Porcelain (Matt) (Superior)

1. Allow all new concrete work and screeds to cure for at least 28 days before proceeding.
2. All new concrete work and screeds must have a moisture content of 5% or less before tiling can be commenced.
3. When tiling directly onto concrete, ensure that the surfaces are clean and free of all traces of shutter release and curing agents, laitance and any other surface contaminants, preferably by scarifying or sandblasting.
4. Any screed must be firmly attached to the underlying concrete, must be integrally sound (no crumbling, cracking etc.) and must be of a quality and consistency suitable for tiling.
5. All defective areas must be removed and the floor made good before proceeding.
6. Glazed porcelain, Grade A, fixed to internal floor screed with professional tile adhesive on concrete surface bed (elsewhere specified), using a notched trowel, with 1mm joints continuous in both directions.
7. Apply to the floors to a minimum bed thickness of 3mm.
8. Spread only enough adhesive to lay in fifteen minutes.

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9. Should a thin film appear on the surface of the adhesive, re-comb with the trowel before tiles are bedded.
10. The backs of all tiles must be clean and free from dust and contaminants.
11. Press tiles firmly into Wet adhesive with a twisting action.
12. Tiles must be bedded with the use of a Rubber mallet.
13. Random tiles must be removed to ensure that 100% contact is being made between the tiles and adhesive (No voids under tile).
14. Remove excess adhesive from grout joints and tile surface before drying has occurred.
15. Allow the adhesive to dry for 24 hours before grouting can take place.
16. Grout with Professional tile grout, flush pointed with dove grey epoxy mortar.
17. Ensure that grout joints are free of loose material and adhesive residue.
18. Clean excess grout from the surface as work progresses. Leave joints to dry for approximately 2 hours.
19. Clean excess grout off joints with a damp, not wet sponge.
20. Do not leave excess moisture on grout joints.
21. Allow 24 hours before polishing with a DRY cloth.
22. All as per manufacturer's recommendation

CEILINGS

Ceiling Hatch

1. Trim 650 x 650mm minimum clear opening in ceiling with 38 x 100 sawn softwood trimmers. Spiked to beams or trusses.
2. Form hatch frame out of brandering as for ceiling.
3. Form trap door of brandering and ceiling board as for ceiling.
4. Provide 50 x 19mm hardwood fillets screwed to ceiling surrounding the hatch opening.
5. Mitre corners of fillets.
6. Hang trap door with one pair 75mm steel hinges to sub-frame.
7. To allow trap door to open 180 degrees on to top of ceiling brandering.

SUSPENDED CEILING

Suspended ceiling – Embossed White

1. 4mm EVERITE embossed white vinyl lay-in grid ceiling system with 1195 x 595mm thick straight edged.
2. NUTEC tiles, laid on double stitched slotted white T38 main tees at 1200mm centres and white T25 cross tees at 600mm centres, including all necessary grids, suspension plates, clips and holding down clips, fire expansion punch outs to main tees, etc. suspended by 4mm diameter suspension rod and hooks shot fixed to concrete soffit at not exceeding 1200mm centres.
3. Ceiling perimeter to be finished with white recessed wall angles, all in accordance with the manufacturer's recommendations.

CONCRETE CEILING

Skimmed concrete

1. Concrete slab to engineer's design.
2. Plaster with 3mm to 6mm thick RHINOLITE gypsum skim plaster in accordance with the manufacturers recommendations.
3. Apply paint as per room/area specification.



REPUBLIC OF SOUTH AFRICA
SOUTH AFRICAN POLICE SERVICE
BILLS OF QUANTITIES
FOR
REPAIRS AND RENOVATIONS
INDWE SAPS
EASTERN CAPE PROVINCE

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March 2023

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C2.1 PRICING INSTRUCTIONS - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

Project title:	REPAIRS AND RENOVATIONS AT INDWE SAPS: EASTERN CAPE PROVINCE
Ref No.:	

- Where possible the Contractor is to use local labour throughout the project.
- The **bills of quantities** forms part of and must be read and priced in conjunction with all the other documents forming part of the **contract documents**; i.e. the Standard Conditions of Tender, Conditions of Contract, Contract Data, Specifications (including Project Specifications), Drawings and all other relevant documentation.
- The Bill comprises items covering the Contractor's profit and costs of general liabilities and of the construction of Temporary and Permanent Works.

Although the Tenderer is at liberty to insert a rate of his own choosing for each item in the Bill, he should note the fact that the Contractor is entitled, under various circumstances, to payment for additional work carried out and that the Principal Agent is obliged to base his assessment of the rates to be paid for such additional work on the rates the Contractor inserted in the Bill.

- Descriptions in the Bill of Quantities are abbreviated and may differ from those in the Standardized and Project Specifications. No consideration will be given to any claim by the Contractor submitted on such a basis. The Bill has been drawn up generally in accordance with the *The Standard System of Measuring Building Works (7th Edition)* and the *Model Preambles for Trades 2017* (both published by the ASQS). Should any requirement of the measurement and payment clause of the appropriate Standardized or Project Specification(s) be contrary to the terms of the Bill or, when relevant, to the Standard System of Measuring Building Works and Model Preambles 2008, the requirement of the appropriate Standardized, Project, or Particular Specification as the case may be, shall prevail.
- Unless stated to the contrary, items are measured net in accordance with the Drawings without any allowance having been made for waste.
- The amounts and rates to be inserted in the Bill of Quantities shall be the full inclusive amounts to the Employer for the work described under the several items. Such amounts shall cover all the costs and expenses that may be required in and for the construction of the work described, and shall cover the costs of all general risks, profits, taxes (but excluding value-added tax), liabilities and obligations set forth or implied in the documents on which the Tender is based.
- An amount or rate shall be entered against each item in the Bill of Quantities, whether or not quantities are stated. An item against which no amount or rate is entered will be considered to be covered by the other amounts or rates in the Bill.

The Tenderer shall also fill in a rate against the items where the words "rate only" appear in the amount column. Although no work is foreseen under these items and no quantities are consequently given in the quantity column, the tendered rates shall apply should work under these items actually be required.

Should the Tenderer group a number of items together and tender one sum for such group of items, the single tendered sum shall apply to that group of items and not to each individual item, or should he indicate against any item that full compensation for such item has been included in another item, the rate for the item included in another item shall be deemed to be nil.

The tendered rates, prices and sums shall, subject only to the provisions of the Conditions of Contract, remain valid irrespective of any change in the quantities during the execution of the Contract.

The **contract sum** must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the **bills of quantities** must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.

- The quantities of work as measured and accepted and certified for payment in accordance with the Conditions of Contract, and not the quantities stated in the Bill of Quantities, will be used to determine



payments to the Contractor. The validity of the Contract shall in no way be affected by differences between the quantities in the Bill of Quantities and the quantities certified for payment.

Ordering of materials are not to be based on the Bill of Quantities, but only on information issued for construction purposes.

9. Products and materials specified using **trade names** are not necessarily the products and materials that must be supplied. Rather, the trade names are an indication of the quality of products and materials required for the project.
10. For the purposes of this Bill of Quantities, the following words shall have the meanings hereby assigned to them:

Unit	:	The unit of measurement for each item of work as defined in the Standardized, Project or Particular Specifications
Quantity	:	The number of units of work for each item
Rate	:	The payment per unit of work at which the Tenderer tenders to do the work
Amount	:	The quantity of an item multiplied by the tendered rate of the (same) item
Sum	:	An amount tendered for an item, the extent of which is described in the Bill of Quantities, the Specifications or elsewhere, but of which the quantity of work is not measured in units
11. The units of measurement indicated in the Bill of Quantities are metric units. The following abbreviations may appear in the Bill of Quantities:

mm	=	millimetre
m	=	metre
km	=	kilometre
m ²	=	square metre
m ³	=	cubic metre
kg	=	kilogram
%	=	per cent

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Item
No

Quantity

Amount

BILL NO. 1

PRELIMINARIES

MEANING OF TERMS "TENDER / TENDERER"

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

PRELIMINARIES

The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable".

PRICING OF PRELIMINARIES

Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item

Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.

SECTION A - JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

1 A1.0 DEFINITIONS AND INTERPRETATION

Clause 1.0

Clause 1.1 Definition of "**Commencement Date**" is added:

"**COMMENCEMENT DATE**" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect

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Clause 1.1 Definition of "**Construction Guarantee**" is amended by replacing it with the following:

"**CONSTRUCTION GUARANTEE**" means a guarantee at call obtained by the **contractor** from an institution approved by the **employer** in terms of the **employer's** construction guarantee form as selected in the **schedule**

Clause 1.1 Definition of "**Construction Period**" is amended by replacing it with the following:

"**CONSTRUCTION PERIOD**" means the period commencing on the **commencement date** and ending on the date of **practical completion**

Clause 1.1 Definition of "**Corrupt Practice**" is added:

"**CORRUPT PRACTICE**" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

Clause 1.1 Definition of "**Fraudulent Practice**" is added:

"**FRAUDULENT PRACTICE**" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.

Clause 1.1 Definition of "**Interest**" is amended by replacing it with the following:

"**INTEREST**" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act no. 1 of 1999).

Clause 1.1 Definition of "**Principal Agent**" is amended by replacing it with the following:

"**PRINCIPAL AGENT**" means the person or entity appointed by the **employer** and named in the **schedule**. In the event of a **principal agent** not being appointed, then all the duties and obligations of a **principal agent** as detailed in the **agreement** shall be fulfilled by a representative of the **employer** as named in the **schedule**

Clause 1.1 Definition of "**Security**" is amended by replacing it with the following:

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"SECURITY" means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss

Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "pre-paid registered post or telefax"

Clause 1.6.4 is amended by replacing it with the following:

No clause

Fixed: _____ Value: _____ Time: _____

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OBJECTIVE AND PREPARATION

2 A2.0 OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

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3 A3.0 DOCUMENTS

Clause 3.0

Clause 3.2.1 is amended by replacing "14.1" with 14.0"

Clause 3.7 is amended by the addition of the following:

The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times

Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"

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4	<p>A4.0 DESIGN RESPONSIBILITY</p> <p>Clause 4.0</p> <p>Clause 4.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Fixed: _____ Value: _____ Time: _____</p>	Item
5	<p>A5.0 EMPLOYER'S AGENTS</p> <p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8</p> <p>Fixed: _____ Value: _____ Time: _____</p>	Item
6	<p>A6.0 SITE REPRESENTATIVE</p> <p>Clause 6.0</p> <p>Fixed: _____ Value: _____ Time: _____</p>	Item
7	<p>A7.0 COMPLIANCE WITH REGULATIONS</p> <p>Clause 7.0</p> <p>Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification</p> <p>Fixed: _____ Value: _____ Time: _____</p>	Item
8	<p>A8.0 WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed: _____ Value: _____ Time: _____</p>	Item
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9 A9.0 INDEMNITIES

Clause 9.0

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10 A10.0 WORKS INSURANCES

Clause 10.0

Clause 10.0 is amended by the addition of the following clauses:

10.5 Damage to the Works

- (a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary
- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and materials paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable
- (b) The **contractor** shall be liable for and hereby indemnifies the **employer**

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against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable

- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**
- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**
- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed
- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 High risk insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that may result in catastrophic ground movement evident by sinkhole or do line formation the following will apply:

10.7.1 Damage to the works

The **contractor** shall, from the **commencement date** of the **works** until the date of the **certificate of practical completion** bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as

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mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works** at the **contractor's** own costs

10.7.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic movement, as mentioned above, which occurred during the period of the contract

10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty one (21) **calendar days** of the **commencement date** but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole

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11	A11.0 LIABILITY INSURANCES Clause 11.0 Fixed: _____ Value: _____ Time: _____	Item
12	A12.0 EFFECTING INSURANCES Clause 12.0 Fixed: _____ Value: _____ Time: _____	Item
13	A13.0 No Clause	Item
14	A14.0 SECURITY Clause 14.0 Clauses 14.1 - 14.8 are amended by replacing them with the following: 14.1 In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) 14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A) 14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor 14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule . Such security shall be provided to the employer within twenty-one (21) calender days from commencement date . Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calender days from commencement date , the security in terms of 14.7 shall be deemed to have been selected. 14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:	
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14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calender days** from **commencement date**

14.3.2 Within twenty-one (21) **calender days** of the day of **practical completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to three per cent (3%) of the **contract value** (excluding VAT), and refund the balance to the **contractor**

14.3.3 Within twenty-one (21) **calender days** of the date of **final completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to one per cent (1%) of the **contract value** (excluding VAT) and refund the balance to the **contractor**

14.3.4 On the date of payment of the amount in the final **payment certificate**, the **employer** shall refund the remainder of the cash deposit to the **contractor**

14.3.5 The **employer** shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the cash deposit **security** or portions thereof to the **contractor**

14.3.6 The parties expressly agree that neither the **employer** nor the **contractor** shall be entitled to cede the rights to the deposit to any third party

14.4 Where **security** as a variable **construction guarantee** of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected:

14.4.1 The **contractor** shall furnish the **employer** with an acceptable variable **construction guarantee** equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calender days** from **commencement date**

14.4.2 The variable **construction guarantee** shall reduce and expire in terms of the Variable **Construction Guarantee** form included in the invitation to tender

14.4.3 The **employer** shall return the variable **construction guarantee** to the **contractor** within fourteen (14) **calender days** of it expiring

14.4.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall issue a written demand in terms of the variable **construction guarantee**

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14.5 Where **security** as a fixed **construction guarantee** of five per cent (5%) of the **contract sum** (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.5.1 The **contractor** shall furnish a fixed **construction guarantee** to the **employer** equal in value to five per cent (5%) of the **contract sum** (excluding VAT)

14.5.2 The fixed **construction guarantee** shall come into force on the date of issue and shall expire on the date of the last certificate of **practical completion**

14.5.3 The **employer** shall return the fixed **construction guarantee** to the **contractor** within fourteen (14) **calender days** of it expiring

14.5.4 The payment reduction of the value certified in a **payment certificate** shall be in terms of 31.8 (A) and 34.8

14.5.5 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall be entitled to issue a written demand in terms of the fixed **construction guarantee** or may recover from the payment reduction or may do both

14.6 Where **security** as a cash deposit of five per cent (5%) of the **contract sum** (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.6.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to five per cent (5%) of the **contract sum** (excluding VAT) within twenty-one (21) **calender days** from **commencement date**

14.6.2 Within twenty-one (21) **calender days** of the date of **practical completion** of the **works** the **employer** shall refund the cash deposit in total to the **contractor**

14.6.3 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(A)

14.6.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both

14.7 Where **security** as a payment reduction of ten per cent (10%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

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14.7.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(B)

14.7.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the **contractor**

14.8 Payments made by the guarantor to the **employer** in terms of the fixed or variable **construction guarantee** shall not prejudice the rights of the **employer** or **contractor** in terms of this agreement

14.9 Should the **contractor** fail to furnish the **security** in terms of 14.2, the **employer**, in his sole discretion and without notification to the **contractor**, is entitled to change the **contractor's** selected form of **security** to that of a ten per cent (10%) payment reduction of the value certified in the **payment certificate** (excluding VAT), where after 14.7 shall be applicable

Fixed: _____ Value: _____ Time: _____

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EXECUTION

15 A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No clause

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

Clause 15.1 is amended by the addition of the following clause:

15.1.4 And acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) **calendar days of commencement date**

Clause 15.2.1 is amended by replacing it with the following clause:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1.4

Fixed: _____ Value: _____ Time: _____

Item

16 A16.0 ACCESS TO THE WORKS

Clause 16.0

Fixed: _____ Value: _____ Time: _____

Item

17 A17.0 CONTRACT INSTRUCTIONS

Clause 17.0

Clause 17.1.11 is amended by deleting the words "and the appointment of **nominated and selected subcontractors**"

Fixed: _____ Value: _____ Time: _____

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18 A18.0 SETTING OUT OF THE WORKS

Clause 18.0

Fixed: _____ Value: _____ Time: _____

Item

19 A19.0 ASSIGNMENT

Clause 19.0

Fixed: _____ Value: _____ Time: _____

Item

20 A20.0 NOMINATED SUBCONTRACTORS

Clause 20.0

Clause 20.1.3 is amended by replacing it with the following:

No clause

Note: See item B9.1 hereinafter for adjustment of attendance on **nominated subcontractors** executing work allowed for under provisional sums

Fixed: _____ Value: _____ Time: _____

Item

21 A21.0 SELECTED SUBCONTRACTORS

Clause 21.0

Clause 21 is amended by replacing it with:

No clause

Fixed: _____ Value: _____ Time: _____

Item

22 A22.0 EMPLOYER'S DIRECT CONTRACTORS

Clause 22.0

Fixed: _____ Value: _____ Time: _____

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23 A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS

Clause 23.0

Fixed: _____ Value: _____ Time: _____

COMPLETION

24 A24.0 PRACTICAL COMPLETION

Clause 24.0

Fixed: _____ Value: _____ Time: _____

25 A25.0 WORKS COMPLETION

Clause 25.0

Fixed: _____ Value: _____ Time: _____

26 A26.0 FINAL COMPLETION

Clause 26.0

Clause 26.1.2 is amended by inserting "#" next to 26.1.2

Fixed: _____ Value: _____ Time: _____

27 A27.0 LATENT DEFECTS LIABILITY PERIOD

Clause 27.0

Fixed: _____ Value: _____ Time: _____

28 A28.0 SECTIONAL COMPLETION

Clause 28.0

Fixed: _____ Value: _____ Time: _____

Item

Item

Item

Item

Item

Item

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29 A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION

Clause 29.0

Clause 29.2.5 is amended by replacing it with:

No clause

Fixed: _____ Value: _____ Time: _____

Item

30 A30.0 PENALTY FOR NON-COMPLETION

Clause 30.0

Fixed: _____ Value: _____ Time: _____

Item

PAYMENT

31 A31.0 INTERIM PAYMENT TO THE CONTRACTOR

Clause 31.0

Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"

Clause 31.8 is amended by replacing it with the following two alternative clauses:

Alternative A

31.8(A) Where a **security** is selected in terms of 14.1; 14.5 or 14.6, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(A).1 Ninety-five per cent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(A).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the **final payment certificate** in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the **final payment**

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certificate in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Alternative B

31.8(B) Where **security** as a payment reduction in terms of 14.7 has been selected, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(B).1 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(B).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(B).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Clause 31.12 is amended by deleting the following:

Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due

Fixed: _____ Value: _____ Time: _____

Item

32 A32.0 ADJUSTMENT TO THE CONTRACT VALUE

Clause 32.0

Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:

"due to no fault of the **contractor**"

Fixed: _____ Value: _____ Time: _____

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33	A33.0 RECOVERY OF EXPENSE AND LOSS	
	Clause 33.0	
	Fixed: _____ Value: _____ Time: _____	Item
34	A34.0 FINAL ACCOUNT AND FINAL PAYMENT	
	Clause 34.0	
	Clause 34.1 is amended by removing "#" next to 34.1	
	Clause 34.2 is amended by inserting "#" next to 34.2	
	Clause 34.8 is amended by deleting the words "where security as a fixed construction guarantee in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1"	
	Clause 34.13 is amended by replacing "seven (7) calender days " with "twenty-one (21) calender days " and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due"	
	Fixed: _____ Value: _____ Time: _____	Item
35	A35.0 PAYMENT TO OTHER PARTIES	
	Clause 35.0	
	Fixed: _____ Value: _____ Time: _____	Item
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CANCELLATION

36 A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT

Clause 36.0

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

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

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

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

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

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

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

Fixed: _____ Value: _____ Time: _____

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37 A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE

Clause 37.0

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

Clause 37.0 is amended by the addition of the following clause:

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

Fixed: _____ Value: _____ Time: _____

Item

38 A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT

Clause 38.0

Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"

Clause 38.0 is amended by the addition of the following clause:

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

Fixed: _____ Value: _____ Time: _____

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39 A39.0 CANCELLATION - CESSATION OF THE WORKS

Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) **working days** of completion of such a report"

Fixed: _____ Value: _____ Time: _____

DISPUTE

Item

40 A40.0 DISPUTE SETTLEMENT

Clause 40.0

Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"

Clause 40.6 is amended by removing the reference to:

No clause

Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:

Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the **mediator** and related costs

Fixed: _____ Value: _____ Time: _____

Item

SUBSTITUTE PROVISIONS

41 A41.0 STATE CLAUSES

Clause 41.0

Fixed: _____ Value: _____ Time: _____

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CONTRACT VARIABLES

42 THE SCHEDULE (DPW-04EC)

Clause 42.0

Tenderers are referred to the Contract Data (DPW-04EC) for variables pertaining to this contract

Fixed: _____ Value: _____ Time: _____

Item

SECTION B - JBCC PRELIMINARIES

B1.0 DEFINITIONS AND INTERPRETATION

43 B1.1 Definition and interpretation

See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section

Fixed: _____ Value: _____ Time: _____

Item

B2.0 DOCUMENTS

44 B2.1 Checking of documents

Fixed: _____ Value: _____ Time: _____

Item

45 B2.2 Provisional bills of quantities

Fixed: _____ Value: _____ Time: _____

Item

46 B2.3 Availability of construction documentation

Fixed: _____ Value: _____ Time: _____

Item

47 B2.4 Interest of agents

Fixed: _____ Value: _____ Time: _____

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48 B2.5 Priced documents

Fixed: _____ Value: _____ Time: _____

Item

49 B2.6 Tender submission

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance DPW-07(EC)"

Fixed: _____ Value: _____ Time: _____

Item

B3.0 THE SITE

50 B3.1 Defined works area

Fixed: _____ Value: _____ Time: _____

Item

51 B3.2 Geotechnical investigation

Fixed: _____ Value: _____ Time: _____

Item

52 B3.3 Inspection of the site

Fixed: _____ Value: _____ Time: _____

Item

No claims for extras arising from the contractor having failed to comply with this clause will be entertained

53 B3.4 Existing premises occupied

Fixed: _____ Value: _____ Time: _____

Item

54 B3.5 Previous work - dimensional accuracy

Fixed: _____ Value: _____ Time: _____

Item

55 B3.6 Previous work - defects

Fixed: _____ Value: _____ Time: _____

Item

56 B3.7 Services - known

Fixed: _____ Value: _____ Time: _____

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B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS

66 B5.1 Samples of materials

Fixed: _____ Value: _____ Time: _____

Item

67 B5.2 Workmanship samples

Fixed: _____ Value: _____ Time: _____

Item

68 B5.3 Shop drawings

Fixed: _____ Value: _____ Time: _____

Item

69 B5.4 Compliance with manufacturers' instructions

Fixed: _____ Value: _____ Time: _____

Item

B6.0 TEMPORARY WORKS AND PLANT

70 B6.1 Deposits and fees

Fixed: _____ Value: _____ Time: _____

Item

71 B6.2 Enclosure of the works

Fixed: _____ Value: _____ Time: _____

Item

72 B6.3 Advertising

Fixed: _____ Value: _____ Time: _____

Item

73 B6.4 Plant, equipment, sheds and offices

Fixed: _____ Value: _____ Time: _____

Item

74 B6.5 Main notice board

Fixed: _____ Value: _____ Time: _____

Item

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75	B6.6 Subcontractors notice board Fixed: _____ Value: _____ Time: _____	Item
<u>B7.0 TEMPORARY SERVICES</u>		
76	B7.1 Location Fixed: _____ Value: _____ Time: _____	Item
77	B7.2 Water Fixed: _____ Value: _____ Time: _____	Item
78	B7.3 Electricity Fixed: _____ Value: _____ Time: _____	Item
79	B7.4 Telecommunication facilities Fixed: _____ Value: _____ Time: _____	Item
80	B7.5 Ablution facilities Fixed: _____ Value: _____ Time: _____	Item
<u>B8.0 PRIME COST AMOUNTS</u>		
81	B8.1 Responsibility for prime cost amounts Fixed: _____ Value: _____ Time: _____	Item
<u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>		
82	B9.1 General attendance Fixed: _____ Value: _____ Time: _____	Item
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83	B9.2 Special attendance		
	Fixed: _____ Value: _____ Time: _____		Item
84	B9.3 Commissioning - fuel, water and power		
	Fixed: _____ Value: _____ Time: _____		Item
<u>B10.0 FINANCIAL ASPECTS</u>			
85	B10.0 Statutory taxes, duties and levies		
	Fixed: _____ Value: _____ Time: _____		Item
86	B10.2 Payment of preliminaries		
	Fixed: _____ Value: _____ Time: _____		Item
87	B10.3 Adjustment of preliminaries		
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "when submitting his priced bills of quantities / lump sum document"		
	Fixed: _____ Value: _____ Time: _____		Item
88	B10.4 Payment certificate cash flow		
	Fixed: _____ Value: _____ Time: _____		Item
<u>B11 GENERAL</u>			
89	B11.1 Protection of the works		
	Fixed: _____ Value: _____ Time: _____		Item
90	B11.2 Protection/isolation of existing/sectionally occupied works		
	Fixed: _____ Value: _____ Time: _____		Item
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91	B11.3 Security of the works	Fixed: _____ Value: _____ Time: _____	Item
92	B11.4 Notice before covering work	Fixed: _____ Value: _____ Time: _____	Item
93	B11.5 Disturbance	Fixed: _____ Value: _____ Time: _____	Item
94	B11.6 Environmental disturbance	Fixed: _____ Value: _____ Time: _____	Item
95	B11.7 Works cleaning and clearing	Fixed: _____ Value: _____ Time: _____	Item
96	B11.8 Vermin	Fixed: _____ Value: _____ Time: _____	Item
97	B11.9 Overhand work	Fixed: _____ Value: _____ Time: _____	Item
98	B11.10 Instruction manuals and guarantees	Fixed: _____ Value: _____ Time: _____	Item
99	B11.11 As built information	Fixed: _____ Value: _____ Time: _____	Item
100	B11.12 Tenant installations	Fixed: _____ Value: _____ Time: _____	Item

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B12 SCHEDULE OF VARIABLES

101 B12.1 Schedule of variables

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

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

Fixed: _____ Value: _____ Time: _____

Item

12.1 PRE-TENDER INFORMATION

12.1.1 Provisional bills of quantities

[2.2] The quantities are provisional NO

12.1.2 Availability of construction documentation

[2.3] Construction documentation is complete NO

12.1.3 Interests of agents

[2.4] Details: The professional team has no financial interest in this contract

12.1.4 Defined works area

[3.1] The works area is confined to 5 Buffalo Street, Queenstown, Eastern Cape

12.1.5 Geotechnical investigation

[3.2] Details: Details for GeoTech will be obtained from the principal agent

12.1.6 Existing premises occupied

[3.4] Specific requirements: N/A new building

12.1.7 Previous work - dimensional accuracy

[3.5] Details: N/A

12.1.8 Previous work - defects

[3.6] Details: The defects are accepted

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12.1.9 Service - known

[3.7] Details: The services that are known and can be pointed out to the successful tenderer at the Site Handover Meeting

12.1.10 Protection of trees

[3.9] Specific requirements: To be confirmed with the principal agent at tender stage

12.1.11 Inspection of adjoining properties

[3.11] Specific requirements: Adjoining boundary walls to be inspected and full report to be given to the principal agent

12.1.12 Enclosure of the works

[6.2] Specific requirements: The Contractor is to safely close-off the areas where construction is taking place as to ensure the public safety

12.1.13 Offices

[6.4.3] Specific requirements: The Contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.

12.1.14 Main notice board

[6.5] Specific requirements:

The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m, per typical drawing no. W503 attached to these Bills of Quantities, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA, painted sans serif lettering.

The notice board for the EPWP is also to be erected in accordance with the forgoing board.

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12.1.15	Subcontractors notice board		
[6.6]	A notice board is required	NO	
	Specific requirements:	NONE	
12.1.16	Water		
[7.2]	Option A (by contractor)	YES	
	Option B (by employer - free of charge)	NO	
	Option C (by employer - metered)	NO	
12.1.17	Electricity		
[7.3]	Option A (by contractor)	YES	
	Option B (by employer - free of charge)	NO	
	Option C (by employer - metered)	NO	
12.1.18	Telecommunications		
[7.4]	Telephone	YES	
	Facsimile	YES	
	E-mail	YES	
12.1.19	Ablution facilities		
[7.5]	Option A (by contractor)	YES	
	Option B (by employer)	NO	
12.1.20	Protection of existing/sectionally occupied works		
[11.2]	Protection is required	N/A	
12.1.21	Special attendance		
[9.2]	Subcontractor (1) details:	N/A	
	Subcontractor (2) details:	N/A	
	Subcontractor (3) details:	N/A	
	Subcontractor (4) details:	N/A	
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12.1.22 Protection of the works

[11.1] Specific requirements:

12.1.23 Disturbance

[11.5] Specific requirements:

The **contractor** shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the **works** all necessary temporary dust screens all to the satisfaction of the **principal agent**

12.1.24 Environmental disturbance

[11.6] Specific requirements: NONE

12.2 POST-TENDER INFORMATION

12.2.1 Payment of preliminaries

[10.2] Option A (prorated) YES / NO

Option B (calculated) YES / NO

12.2.2 Adjustment of preliminaries

[10.3] Option A (three categories) YES / NO

Option B (detailed breakdown) YES / NO

12.2.3 Additional agreed preliminaries items

Details:

SECTION C - SPECIFIC PRELIMINARIES

Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

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102 C1 CONTRACT DRAWINGS

The drawings issued with this tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed

Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

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Item

103 C2 PREAMBLES

The document " Construction Works: Specifications: General Specification (PW371-A) Edition 2.0" is obtainable on the Department's website (<http://www.publicworks.gov.za> under "Consultants Guidelines") and shall be read in conjunction with the **bills of quantities** and be referred to for the full descriptions of work to be done and materials to be used

The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and **bills of quantities**.

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Item

104 C3 TRADE NAMES

Wherever a trade name for any product has been described in the **bills of quantities**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

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105 C4 IMPORTED MATERIALS AND EQUIPMENT

Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer)

Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)

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Item

106 C5 VIEWING THE SITE IN SECURITY AREAS

The **site** is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer of the South African Police to obtain permission to enter the **site** for tendering purposes

Fixed: _____ Value: _____ Time: _____

Item

107 C6 COMMENCEMENT OF WORKS IN SECURITY AREAS

As the **works** falls within a security area the **contractor** must give the unit commander or other responsible officer notice before commencement of the **works**. Should the **contractor** fail to make such arrangements, admission to the **site** may be refused and any additional costs will be for the **contractor's** account

Fixed: _____ Value: _____ Time: _____

Item

108 C7 ENTRANCE PERMITS TO SECURITY AREAS

As the **works** falls within a security area the **contractor** shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer

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109 C8 SECURITY CHECK OF PERSONNEL

The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified

In the event of the **principal agent** requesting the removal of a person or persons from the **works** for security reasons, the **contractor** shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the **works** and the **site** and/or to any document or information relating to the **works**

Fixed: _____ Value: _____ Time: _____

Item

110 C9 PROHIBITION ON TAKING PHOTOGRAPHS

In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking photographs except when authorized thereto by or on behalf of the Minister

The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959

Fixed: _____ Value: _____ Time: _____

Item

C10 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities**. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regards shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

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111 C10.1 AWARENESS CHAMPION

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value: _____ Time: _____

Item

112 C10.2 AWARENESS WORKSHOPS

Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value: _____ Time: _____

Item

113 C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.

Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **contract period**, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value: _____ Time: _____

Item

114 C10.4 ACCESS TO CONDOMS

Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

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115	<p>C10.5 MONITORING</p> <p>Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification</p> <p>Fixed: _____ Value: _____ Time: _____</p>	Item
116	<p>C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act no 85 of 1993).</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this section of the Bills of Quantities.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p>Fixed: _____ Value: _____ Time: _____</p>	Item
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**C11.1 ADDENDUM TO THE OCCUPATIONAL HEALTH AND SAFETY ACT:
GOVERNING WORKPLACES IN RELATION TO CORONAVIRUS DISEASE
2019 (COVID 19) UNDER THE NATIONAL DISASTER ACT**

It is required of the **contractor** to thoroughly study the ADDENDUM to the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities / lump sum document**

The **contractor** must take note that compliance with the Regulations incorporated in the ADDENDUM to the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

Provision for pricing of the specifications contained in the Addendum governing workplaces in relation to coronavirus disease 2019 (covid19) under the national disaster act is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

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118 C12 IMPLEMENTATION OF LABOUR INTENSIVE INFRASTRUCTURE
PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME
(EPWP) - N/A

The **contractor** shall comply with all the requirements of the "Code of Good Practice for Employments and Conditions of Works for Special Public Works Programme" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)

The **contractor** shall enter into an employment agreement with all workers and provide certified copies of such agreements and identity documents of the workers to the **principal agent** within 28 calendar days

The **contractor** shall maintain daily records with regard to the workers employed and shall, on monthly basis, submit a report to the **principal agent** in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in the said report all as defined in the "Guidelines for the Implementation of Labour intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)"

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

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119 C13 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE
EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE
PROJECTS: NATIONAL YOUTH SERVICE (NYS) -N/A

The **contractor** shall comply with Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS) as attached to these **bills of quantities**

The **contractor** shall identify a minimum of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them as per aforementioned specification and as elsewhere measured in these **bills of quantities**

The **contractor** shall liaise and co-ordinate with the **employer** and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers

The **contractor** shall avail the services of an adequately qualified foreman specifically for the EPWP- NYP youth workers, to act as their construction supervisor. The foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers

Separate items which will be subject to re-measurement, have been included elsewhere in these **bills of quantities** to cover the direct costs associated with the employment and training of youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed: _____ Value: _____ Time: _____

Item

120 C14 COMMUNITY LIAISON OFFICER (CLO) - N/A

The **contractor** shall employ a Community Liaison Officer (CLO) for the full duration of the contract.

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121 C15 USE OF LOCAL SMME's

It is the requirement of the **employer** that the **contractor** enhances the use of local Small, Micro and Medium Enterprises (SMME's) involved in the project. This is required to be done through the use of both traditional building techniques and **labour intensive construction techniques** careful and considered construction planning

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

(a) SMME's involvement of at least 30% of the contract value to be sourced from within 50km of the project site

Fixed: _____ Value: _____ Time: _____

Item

122 C16 USE OF LOCAL BUILDING MATERIALS

Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province, and provided that:

(a) Such materials comply in all respects with the specific requirements of PW371

(b) The availability of such materials shall not adversely affect the desired progress of the specific works

(c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof

(d) Materials of at least 10% of the contract value to be sourced from within 50km of the project site

(e) Material of at least 20% of the contract value to be sourced from within 400km of the project site

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

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C17 : EXPANDED PUBLIC WORKS PROGRAMME (EPWP) - N/A

The **contractor** shall comply with all the requirements of the "Code of Good Practice for Employments and Conditions of Work for Special Public Works Programme" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)

The **contractor** shall enter into an employment agreement with all workers and provide certified copies of such agreements and Identity documents of the workers to the principal agent within 28 calendar days.

The **contractor** shall maintain daily records with regard to the workers employed and shall, on monthly basis, submit a report to the **principal agent** in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in the said report all as defined in the "Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)"

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

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Total Fixed Preliminaries	R
Total Time Related Preliminaries	R
Total Value Related Preliminaries	R
TOTAL PRELIMINARIES	R

Carried to Final Summary

R

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Item
No

Quantity

Rate

Amount

BILL NO. 1

ALTERATIONS (PROVISIONAL)

PREAMBLES

The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.

SUPPLEMENTARY PREAMBLES

NOTE:

The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.

Tenderers are advised to visit the site and to inspect the works in conjunction with the drawings in order to ascertain the exact nature and extent of the work to be done as no claim will be entertained on the grounds of ignorance of the conditions under which the work was to be executed.

The work is to be carried out in sections in accordance with the Architect's instructions in such a manner as to cause the minimum of nuisance and delay and the various sections are to be handed over for occupation as soon as they are completed and Tenderers must allow accordingly for this in their pricing.

The Contractor will be held solely responsible for checking all floor levels and dimensions in the existing building in order that the new extensions may be correctly lined up. Should any discrepancies be found in the Architect's drawings he should be asked for a decision before continuing with the work.

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The Contractor will be held solely responsible for any damage to persons, property, equipment and for the safety of the new and existing structure throughout the whole of the contract and must make good at his own expense any damage that may occur. He must allow for protecting all existing work liable to suffer damage (ie. walls, finishes, floors, ceilings, windows, doors, loose and fixed fittings, electrical equipment and appliances, etc) during the building operations, alterations, etc. and provide all necessary materials in doing so.

Old materials, which are to become the property of the Contractor as they are pulled down, together with all building debris from any cause whatsoever, are to be immediately carted away and the site left clean and unencumbered. Allow for watering the works sufficiently to prevent nuisance from dust.

Allow for giving notice to local or other authorities for disconnecting electric light, water and drainage mains and removing telephone wires, etc, and pay all fees in connection therewith and afford every facility to the workmen carrying out this work.

Tenderers are advised that adjacent sections of the building will be occupied during the building operations and the contractor is to carry out the work with as little noise, dust and disturbance as possible and access is to be given the staff and visitors.

All materials in this section are measured as new except where old material is specifically mentioned as being re-used.

Old materials, if sound and suitable and approved by the Architect, may be re-used in the new structure. This applies particularly to timber which may be re-used for joists, bracing, fittings, etc and broken bricks and other similar material which may be used as filling and hardcore.

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Wherever old materials are used instead of the new materials measured, an adjustment will be made by the Quantity Surveyor in the final settlement of accounts by deducting the net cost of the new materials and crediting the Contractor with the amount, if any, allowed by him for the old materials.

Where door and window openings, etc, are specified to be filled in, or where jambs, cills, etc are specified to be built up, brickwork shall be of hard burnt clay stock bricks in 5.1 cement mortar unless otherwise specified, cut, toothed and bonded into existing brickwork and pinned up as required with slates or other hard materials. Brickwork built to fair face or in facings is to be of bricks and pointed to match existing. Plaster is to be 5.1 cement plaster unless otherwise specified.

Where lintols are specified as precast concrete the prices are to include for breaking out brickwork over for and inserting precast prestressed cement concrete (30MPa) lintol with 230mm bearing on each end size 108 x 75mm deep for each half brick thickness of wall.

The term "take out" includes all work taken out, taken up, taken down, taken off, etc ; the term "break up" includes all work broken up, broken down, broken off, etc and the term "hack off" includes all work hacked off, hacked up, hacked down, etc.

The term "make good" is to include all labour and material required to match existing work.

The terms "take out and remove door", "take out and remove window", "carefully take out, set aside for re-use and later refix window in new position", etc are to include all materials connected with such door or window such as doors, windows, fanlights, frames, ironmongery, glass, architraves, beads, fillets, cramps, dowels, etc.

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The terms "take out and remove sink unit", "take out and remove lavatory basin", "carefully take out, set aside for re-use and later refix W.C. suite in new position", etc are to include all materials connected with such sanitary fittings such as brackets, cisterns, taps, traps, flushing valves, flush pipes, etc and are to include for the cutting back and stopping off of supply and waste pipes.

Propping, strutting, shoring, etc. incidental to the alterations shall be deemed to be included in the descriptions.

REMOVAL OF EXISTING ASBESTOS MATERIAL

The Contractor must refer to the "POLICY ON HANDLING AND DISPOSAL OF ASBESTOS AND ASBESTOS CONTAINING WASTE IN TERMS OF SECTION 20 OF THE ENVIRONMENT CONSERVATION ACT, 1989 (ACT 73 OF 1989), for the manner in which to handle and dispose of all asbestos materials on the site and the Contractor shall be responsible for and pay all fees, etc., in this regard.

(CPAP Work Group No. 102 Unless Otherwise Stated)

Proprietary products in descriptions:

REMOVAL OF EXISTING WORK

Breaking down and removing brickwork etc

1	One brick walls	m2	25
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Taking out and removing doors, windows, etc from brickwork to be demolished

2	Timber double door and frame 1524 x 2032mm high	No	2
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3	Timber single door and frame 813 x 2032m high	No	8
4	Timber internal semi solid door 813 x 2032m high	No	1
5	Steel roller shutter door with frame 2400 x 2100m high bolted to brickwork, including making good brickwork and plaster	No	1
<u>Taking out and removing doors, windows, etc. including thresholds, sills, etc and building up openings in brick walls, including making good cement plaster on both sides (making good paintwork elsewhere)</u>			
6	Glazed steel window 1511 x 949mm high from 230mm brick wall	No	1
7	Glazed aluminium window 1200 x 900mm high from 230mm brick wall	No	2
<u>Taking out doors, windows, etc. including thresholds, sills, etc. setting aside for re-use and later refixing in similar new position</u>			
8	Existing blinds to windows	No	17
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
9	Suspended ceiling tiles, including suspension grid, hangers, cornices where necessary and make good to receive new tile	m2	9
10	Masonite standard brownboard ceilings, including timber branderling, cornices, etc	m2	148
11	Single pitched roof 65.00 x 4.00 x 0.80m high overall, of timber trusses and purlins, corrugated sheet steel covering, ceilings and cornices, eaves soffit covering, fascias, barge boards, gutters and rainwater pipes	No	1
12	Fibre cement fascia boards	m	56
13	Fibre cement barge boards	m	46
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14	Existing steel gutter	m	21	
	<u>Taking out and removing sundry joinery work, fittings, etc</u>			
15	Pining board	No	2	
16	Timber skirtings	m	15	
	<u>Taking out and removing sundry joinery work, fittings, etc, setting aside for re-use and later refixing in similar new position</u>			
17	Shelves	m	42	
	<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>			
18	Carpet tile floor covering and prepare to for new tiles	m2	45	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>			
19	Cement plaster from walls	m2	50	
	<u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>			
20	600 x 600mm white tiles to floor and prepare for new tiles	m2	215	
	<u>Taking out/off and removing sundry metalwork</u>			
21	Steel wire mesh burglar proofing with frame 1200 x 900mm high bolted to brickwork, including making good finishes	No	2	
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22	Steel burglar proofing with frame 1511 x 949mm high bolted to brickwork, including making good face brickwork	No 1
23	Steel burglar proofing with frame 813 x 2031mm high bolted to brickwork, including making good face brickwork to receive new strongroom door <u>Taking out/off and removing sundry metalwork etc. setting aside for re-use and later refixing in similar new position</u>	No 4
24	Steel wire mesh burglar proofing with frame 1524 x 2032mm high bolted to brickwork, including making good finishes <u>Taking out/off and removing sundry metal work including varnish, re-install after renovations</u>	No 1
25	Existing pin board including frame	No 6
<u>BUILDING UP OPENINGS</u>		
<u>Brickwork in NFP bricks in class II mortar in building up openings, including bonding new to existing and making good cement plaster on both sides (making good paintwork elsewhere)</u>		
26	Opening 2032 x 813mm high overall in one brick wall	No 1
27	Opening 1511 x 949mm high overall in one brick wall	No 1
28	Opening 1200 x 900mm high overall in one brick wall	No 2
29	Fireplace opening 1060 x 1500mm high overall in one brick wall	No 1
<u>PREPARATORY WORK TO EXISTING SURFACES</u>		
30	Making good defects in existing screeded floors	m2 212

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31	Making good defects in existing roof to receive new fascia and barge boards	m	25
32	Scrapping off and remove paint from existing internal wall, cracks and prepare plaster to receive new paint	m2	698
33	Scrapping off and remove paint from existing external wall, cracks and prepare plaster to receive new paint	m2	1,029
34	Repair of existing roof from leakages (holes), loose flashings where required including fixing loose nails/screws to match existing all in accordance with the architect's instruction	m2	74
<u>OPENINGS THROUGH EXISTING WALLS ETC</u>			
<u>Breaking out for and forming openings through brick walls for new extractor fan, including making good cement plaster on both sides and into reveals (new extractor fan measured elsewhere)</u>			
35	Opening for extractor fan size approximately 450 x 450mm high overall through one brick wall	No	8
<u>Breaking out for and forming plain openings through brick walls, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and with 25 MPa concrete thresholds with steel trowelled finish (making good paintwork elsewhere)</u>			
36	Opening 1800 x 2100mm high through One brick wall	No	4
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
Alterations (Provisional)			
FACILITY MANAGEMENT			

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Repairs and Renovations
Indwe Police Station

Item No	Quantity	Rate	Amount
<u>BILL NO 2</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>User note</u>			
<i>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions</i>			
<i>Take note that these Model Bills of Quantities utilise abbreviated descriptions</i>			
<i>The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. <u>Where such model preambles are not applicable</u> (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</i>			
<i>Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</i>			
<u>Cost of tests</u>			
<i>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests for approval. The testing shall be undertaken by an approved independent firm or institution nominated by the contractor (test cubes are measured separately)</i>			
Carried Forward		R	
Section No. 2 Bill No. 2 Concrete Form work and Reinforcement FACILITY MANAGEMENT			
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Repairs and Renovations
Indwe Police Station

Brought Forward

Breeze concrete

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

Lightweight concrete

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

Formwork

Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself

Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described

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

Carried Forward

Section No. 2
Bill No. 2
Concrete Form work and Reinforcement
FACILITY MANAGEMENT

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Repairs and Renovations
Indwe Police Station

Brought Forward			R
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>			
<u>30MPa/19mm concrete</u>			
1	Slabs including beams and inverted beams	m3	16
<u>25MPa/19mm concrete</u>			
2	Strip footings	m3	12
3	Concrete apron	m3	52
<u>TEST CUBES</u>			
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>			
<u>Smooth formwork to sides</u>			
5	Edges, risers, ends and reveals not exceeding 300mm high	m	59
<u>Smooth formwork to soffits</u>			
6	Slabs propped up not exceeding 1,5m high	m2	59
7	Slabs propped up exceeding 1.5m and not exceeding 3m high	m2	59
Carried Forward			R
Section No. 2 Bill No. 2 Concrete Form work and Reinforcement FACILITY MANAGEMENT			
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Repairs and Renovations
Indwe Police Station

Brought Forward

REINFORCEMENT (PROVISIONAL)

High tensile steel reinforcement to structural concrete work

8 10mm Diameter bars

5.90

Carried Forward to Summary of Section No. 2

Section No. 2
Bill No. 2
Concrete Form work and Reinforcement
FACILITY MANAGEMENT

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Repairs and Renovations
Indwe Police Station

Item
No

Quantity

Rate

Amount

BILL NO. 3

MASONRY

(CPAP Work Group No. 118 Unless Otherwise Stated)

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities

SUPPLEMENTARY PREAMBLES

BRICKWORK

Proprietary products in descriptions

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior tender closing written approval by the principal agent

Sizes in descriptions

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

Hollow walls

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

Carried Forward

R

Section No. 2

Bill No. 3

Masonry

FACILITY MANAGEMENT

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Repairs and Renovations
Indwe Police Station

Brought Forward

R

Bagged and sealed walls

Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating

Face bricks

Bricks shall be ordered timeously to obtain uniformity in size and colour

Pointing

Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc

Junctions

Junctions between existing and new brickwork to have 10mm bitumen impregnated softboard expansion joints and 25 x 2mm thick galvanised hoop iron straps fixed at every third brick course and aluminium coverstrips set over all joints

BLOCKWORK

Concrete masonry units

Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7MPa

Carried Forward

R

Section No. 2
Bill No. 3
Masonry
FACILITY MANAGEMENT

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Indwe Police Station

Brought Forward

R

Wall ties for blockwork

Wall ties shall be polypropylene ties complying with BS 76377. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the blockwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other.

Blockwork

Surfaces to be plastered shall have joints raked out to a depth of at least 10mm to provide a key. Cavities of hollow walls shall be kept free of mortar droppings or other undesirable matter. Every second perpend of the bottom course of the external skin of hollow walls shall be left open as a weep hole.

Standard complementary blocks

Descriptions of blockwork shall be deemed to include standard complementary blocks such as corner, three-quarter, half and quarter blocks required in the construction of corners, reveals, jambs, ends, etc to solid and hollow walls and for bonding as necessary.

DECORATIVE BLOCKS

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

Samples, etc

Rates for brickwork, faced brickwork, etc shall include for all required samples.

BRICKWORK

Carried Forward

R

Section No. 2
Bill No. 3
Masonry
FACILITY MANAGEMENT

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Indwe Police Station

Brought Forward			R
<u>FOUNDATIONS (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>			
1	One brick walls	m2	48
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
2	One brick walls	m2	24.99
<u>BRICKWORK SUNDRIES</u>			
<u>2.5mm Galvanised brick reinforcement</u>			
3	150mm Wide reinforcement built in horizontally	m	230
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 3			
Masonry			
FACILITY MANAGEMENT			
150			



Repairs and Renovations
Indwe Police Station

Item No	Quantity	Rate	Amount
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BILL NO.4

ROOF COVERINGS

(CPAP Work Group No. 122 Unless Otherwise Stated)

PREAMBLES

The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.

Tenders are advised to carefully study the full intent and meaning of "Construction Works: Specifications (PW371-A Edition 2.1 of July 2014 and PW371-B Edition 2.2 of December 2015)" before pricing this bill as these standards shall apply to all items of work on this project. Additional Supplementary Preambles have been incorporated. Where these are at variance with PW371-A & B such Supplementary Preambles will take precedence.

SUPPLEMENTARY PREAMBLES

Roof Construction

Roofing plan to be consulted for specific rafter and purlingsizes detailed design drawing. All loadings on roof trusses to be calculated in accordance with SANS 0160. All timber members to be designed in according to SANS 0163.

Carried Forward

R

Section No. 2
Bill No. 4
Roof Covering
FACILITY MANAGEMENT

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Repairs and Renovations
Indwe Police Station

Brought Forward

R

Roof sheeting installation certificate:

Timber roof trusses to comply with requirements of SABS Spec 0163 and to be constructed out of S.A Pine. Contractor to supply roof completion certificate from approved certifying agent in order for practical completion to be effected. The certificate is to cover the installation of roof sheeting, guttering and trusses. The certificate is to be supplied by an independent roofing inspector such as Mitek confirming that the trusses have been manufactured and installed to the governing SABS specifications and truss manufacturers instructions. In addition to this, confirmation from the roof sheeting manufacturer that the installation has been completed in terms of their instructions and governing SABS specifications is to be included. Truss Shop Drawings to be submitted to the architect for approval. Allow 2 weeks for approval. To be approved by architect 4 weeks prior to truss orders been placed.

PROFILED METAL SHEETING AND ACCESSORIES

User note

Profiled metal sheeting is available in various thicknesses

Usually Z275 spelter galvanising is used in inland areas and Z600 spelter galvanising for coastal areas. However galvanised sheeting is generally not used in coastal areas

When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used

Carried Forward

R

Section No. 2
Bill No. 4
Roof Covering
FACILITY MANAGEMENT

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Brought Forward

Where roof coverings are fixed on top of rigid board insulation to purlins etc they are to be described as such

Note that besides galvanised steel, sheeting is also available in corten steel, stainless steel, copper and aluminium

0.58mm thick IBR 686 ISQ300 Z200 roof sheeting fixed to timber purlins at 1100mm centres.

1	Roof covering with pitches not exceeding 25 degrees	m2	233
2	Sidewall flashing 432mm girth.	m	15
3	Headwall flashing 462mm girth.	m	69
4	Cover flashing 185mm girth.	m	84
5	Valley flashing 450mm girth	m	10

INSULATION

SISALATION® FR 430 (or similar approved) Fire retardant industrial grade reinforced aluminium foil laminated incorporating a fire retardant between the various substrates, bonded together with low density polyethene, tested for conformance with SANS 1381-4:2009, with a Class 1 fire rating in accordance with SANS 10177 - 3:2005 and ASTM E84 and BS 476 part 5, 6 and 7, laid taught above purlins with 150mm overlap exposed at the top for the next layer and 150mm overlap thereafter on each 1250mm width roll

6	Roof insulation including fixing to top and bottom roof members with hoop iron straps.	m2	233
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Carried Forward to Summary of Section No. 2

Section No. 2
Bill No. 4
Roof Covering
FACILITY MANAGEMENT

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Repairs and Renovations
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Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>(CPAP Work Group No. 126 Unless Otherwise Stated)</u>			
<p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions</u>			
<p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior tender closing written approval by the principal agent</p>			
<u>Prefabricated roof trusses</u>			
<p>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the architect</p>			
<p>Prices must include for all cross and windbracing according to the manufacturer's instruction</p>			
<p>Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered</p>			
Carried Forward		R	
Section No. 2 Bill No. 5 Carpentry and Joinery FACILITY MANAGEMENT			

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Brought Forward

R

Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle

Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint

Timber members built into brickwork to be given two coats of carbolineum and wrapped in plastic

Carried Forward

R

Section No. 2
Bill No. 5
Carpentry and Joinery
FACILITY MANAGEMENT

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Brought Forward

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

- (a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Institute for Timber Construction
- (b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Regional Representative at an early stage for approval by the Directorate: Structural Engineering Services
- (c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work
- (d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender

The following minimum information shall be shown on the drawings:

- (a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations
- (b) Bracing as recommended by the Institute for Timber Construction
- (c) Sizes and grading of the timber components
- (d) Truss sizes, e.g. height of ridge or angle of pitch
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient)
- (f) Seperate connection details for hip, valley and jack rafters

Carried Forward

Section No. 2
Bill No. 5
Carpentry and Joinery
FACILITY MANAGEMENT

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Repairs and Renovations
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Brought Forward

- (g) Maximum spacing for purlins and bracing to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5
- (h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that:

"The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".

Joinery

Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes

Fixing

All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete

Where items are described as "bolted" the bolts have been measured elsewhere

Carried Forward

Section No. 2
Bill No. 5
Carpentry and Joinery
FACILITY MANAGEMENT

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R

The following is applicable in respect of roof trusses:

Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and who is approved by the principal agent

All trusses shall be designed by a registered professional engineer in accordance with SABS Code of Practice for Design of Timber Structures

The complete structure shall be inspected by the truss designer to ensure that the manufacture and erection details have been complied with

Any costs relating to the required truss certificate, shall be deemed to be included in the trusses cost

Trusses are at maximum 750mm centres

Roof covering is aluminium roof sheeting on purlins/battens

Truss prices are to include for the design, supply and erection of the trusses complete including bolts, connectors, connections, etc. and comply with SABS 0243 : The Design, Manufacture And Erection Of Timber Trusses

The dimensions of the trusses given in the following descriptions are nominal and the actual measurements for the design and manufacture of the trusses must be taken from the working drawings

The truss spans given are measured horizontally between the outer faces of the wall plates and overhangs are measured from the external wall face

Carried Forward

R

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Bill No. 5
Carpentry and Joinery
FACILITY MANAGEMENT

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Proprietary counter tops, seating etc.

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

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

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

Slate, marble, granite, etc is to be best quality from an approved quarry free from cracks and other defects and equal to samples to be submitted to and approved by the principal agent. Each stone is to hold its full size, square to the back and to be set on its natural quarry bed where applicable

Care shall be exercised in setting out the work, the preparation of templates and the checking of the detail drawings. All measurements shall be taken on the site where necessary and the full size setting out shall be done at the yard so as to ensure the proper fitting of each stone

NB: All steel to be hot dipped galvanized finish only after bolting holes are drilled through

Sealing of edges

Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone

Carried Forward

Section No. 2
Bill No. 5
Carpentry and Joinery
FACILITY MANAGEMENT

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Brought Forward

PREFABRICATED ROOF TRUSSES, ETC.

Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturers. Trusses to be a minimum of 1200mm centres and are to support metal roof covering. Ceilings are either gypsum plasterboard or claddit (suspended or fixed). Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered. An Engineers approval certificate is required once the roof truss installation is complete and is for the contractors account.

Plate nailed timber roof truss construction:

Note: Tenderers are referred to the Architects roof plan drawings annexed to these bills of quantities / accompanying these bills of quantities for tender purposes. Specifications and calculations of prefabricated roof must be supplied by the contractor on award of the contract. Descriptions (prices) shall be deemed to include design.

Sawn softwood

- 1 Roof construction to single pitched roof with one valley, 65.00 x 15.00m overall on plan x 0.85mm high overall, including trusses, jack rafters, permanent bracing and 75 x 50mm purlins at ? centres for roof covering (wall plates elsewhere)

Item

Wrought S.A. Pine.

- 2 38 x 114mm Wall plates

m

100.68

EAVES, VERGES, ETC

Carried Forward

Section No. 2
Bill No. 5
Carpentry and Joinery
FACILITY MANAGEMENT

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Brought Forward

Everite (or similar approved) Medium density plain
Nutek fascias and barge boards

3	12 x 225mm Everite (or similar approved) Fascia boards, with PVC H-profile fascia joiners between boards.	m	55.86
4	12 x 225mm Everite (or similar approved) Barge boards, with PVC H-profile fascia joiners between boards.	m	71.59

DOORS ETC

Wrought meranti doors

5	40mm Framed, ledged and braced batten door 813 x 2059mm high of 110mm wide top rail and stiles, 144 x 40mm middle ledge and braces and 220 x 40mm bottom ledge, filled in with tongued and grooved V jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-jointed and covered at back with 3mm plywood with matching veneer, let into and including rebates all round	No	6
6	40mm Framed, ledged and braced batten double door 1524 x 2059mm high overall of 110mm wide top rail and stiles, 144 x 40mm middle ledge and braces and 220 x 40mm bottom ledge, filled in with tongued and grooved V jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-jointed and covered at back with 3mm plywood with matching veneer, let into and including rebates all round	No	2

Meranti semi-solid flush doors, with commercial veneer both sides and with hardwood edge strips, tongued and grooved on to edges:

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Note: The contractor is to check on site measurements before placing of order.

7	44mm door size 813 x 2032 overall with 22mm thick vertical slats facing and hardwood edges all round (all as indicated on Architects Schedule - Door and Window Schedule - F0245 - B501)	No	6.00
8	44mm semi solid door size 813 x 2032 overall with 2 concealed edges all round (all as indicated on Architects Schedule - Door and Window Schedule - F0245 - B501)	No	1
9	44mm meranti double door size 1524 x 2032 overall with framed, ledge, braced and battled with 22mm thick vertical slats (all as indicated on Architects Drawing - A103)	No	1

FRAMED FRAMES ETC

Wrought meranti

10	70 x 44mm Rebated frames	m	30.12
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SKIRTINGS, ARCHITRAVES, ETC

Wrought meranti

11	18 x 70mm Skirtings including 18mm quadrant bead, plugged	m	92.51
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JOINERY SUNDRIES

Wrought meranti

12	Slatted shelving, seats, etc of 5 x 350mm up to height of 2275mm from finished floor level 22mm "t" meranti top finished and varnished supported and fixed with 270mm double slot bracket on single wall band strip (1920mm) at max and 1000mm centres with self tapping screws	m	32
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Carried Forward to Summary of Section No. 2

Section No. 2
Bill No. 5
Carpentry and Joinery
FACILITY MANAGEMENT

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Repairs and Renovations
Indwe Police Station

Item
No

Quantity

Rate

Amount

BILL NO. 6

**CEILINGS PARTITIONS AND ACCESS
FLOORING**

**(CPAP Work Group No. 129 Unless Otherwise
Stated)**

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities

SUPPLEMENTARY PREAMBLES

CEILING TIMBERS, BEADS, INSULATION, ETC

NAILED-UP CEILINGS

6.4mm Gyproc Rhinoboard thick plain with square edges, including H-profile PVC? jointing strips

- 1 Ceilings including 38 x 50mm brander at 400/450mm centre with cross brander at 400/450mm centres, at joints, ends of sheets with 25mm drywall screws at 150mm centres, minimum of 12mm from edge of board.

m2 127

- 2 Extra over ceiling for 600 x 600mm trap door of wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around

No 3

SUSPENDED CEILINGS

Carried Forward

R

Section No. 2
Bill No. 6
Ceiling and Access Flooring
FACILITY MANAGEMENT

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Brought Forward		
<u>4mm thick Everite Embossed white vinyl ceiling, tile size 1195 x 595mm, laid on grid ceiling system including hangers, necessary hold-down clips and wedges, etc</u>		
3	Ceilings suspended not exceeding 1m below soffits	m2 43.00
<u>4mm thick Everite Embossed white vinyl ceiling, tile size 1195 x 595mm, laid on existing grid ceiling system including hangers, necessary hold-down clips and wedges, etc</u>		
4	Suspended ceiling panels not exceeding 1m below soffits	No 37
<u>"Shadowline" cornices, perimeter trims, etc to suspended ceilings</u>		
5	Pre-painted trim plugged to walls	m 15.00
<u>INSULATION</u>		
<u>Non-combustible fibreglass insulation of a density of not less than 10kg/m3 bonded with an inert thermo-setting resin</u>		
6	160mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of grid ceiling system and suspended ceiling panels	m2 45.00

Carried Forward to Summary of Section No. 2

Section No. 2
Bill No. 6
Ceiling and Access Flooring
FACILITY MANAGEMENT

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Indwe Police Station

Item No	Quantity	Rate	Amount
<u>BILL NO. 7</u>			
<u>IRONMONGERY</u>			
<u>PREAMBLES</u>			
The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Finishes to ironmongery</u>			
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			
Note: Ironmongery is fixed to timber unless otherwise described.			
<u>LOCKS</u>			
Carried Forward		R	
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Brought Forward			R
<u>"EN-SUITE" LOCKS</u>			
The following locks are to be suitable for master key operation			
The following locks are to be suitable for master and grand master key operation			
<u>Manufactured by Union Gower or similar approved manufacturer</u>			
1	Four-lever lockset CZ 682-24-61	No	14
<u>DOOR CLOSERS</u>			
<u>"GEZE" or similar approved</u>			
2	AZ5003SR TS5000 Door Closer with guide rail	No	1
<u>IRONMONGERY TO DOORS, FRAMES, ETC</u>			
3	Remove, replace brass ironmongery to windows	No	11
4	Service window sash to open and close easily	No	11
<u>PELMETS, BLINDS AND CURTAIN TRACKS</u>			
<u>Re-Installation of existing Aluminium Blinds Venetian (Superior)</u>			
5	Cordless silver aluminium blinds size 1022 x 949 (WS02 & 06)	No	2
6	Cordless silver aluminium blinds size 2000 x 949 (WS07)	No	2
7	Cordless silver aluminium blinds size 1511 x 949 (WS08)	No	2
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Brought Forward			R
8	Cordless silver aluminium blinds size 1200 x 900 (WA01)	No 4	
9	Cordless silver aluminium blinds size 1511 x 1245 (WS10)	No 4	
10	Cordless silver aluminium blinds size 1022 x 1540 (WS11)	No 3	
<u>"Windovert" or similar approved Perforated Silver aluminium horizontal venetian blinds (all dimensions are to be verified on site prior to manufacture)</u>			
11	1022 x 1540mm with 50mm additional all round top, bottom and sides and 25 x 0,21mm thick slats, plugged to wall	No 4	
12	1511 x 11245mm with 50mm additional all round top, bottom and sides and 25 x 0,21mm thick slats, plugged to wall	No 4	
13	1200 x 900mm with 50mm additional all round top, bottom and sides and 25 x 0,21mm thick slats, plugged to wall	No 4	
<u>Fire Safety Signage:</u>			
<u>Fire signs are to be of photoluminescent material as per SANS 1186-5, fixed to walls or ceilings as per manufacturer's instructions.</u>			
14	760 x 190mm plate with fire exit, fire extinguisher, fire hose reel and fire hydrant symbol.	No 6	
15	570 x 190mm plate with fire exit, fire hose reel, fire extinguisher symbol	No 3	
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16	380 x 190mm plate with fire exit and fire extinguisher symbol	No	8
17	380 x 190mm plate with fire exit and fire hydrant symbol	No	6
18	190 x 190mm plate with fire alarm symbol	No	4
19	190 x 190mm plate with fire exit symbol	No	8
20	190 x 190mm plate with fire pump connection symbol	No	3
<u>Emergency Signage:</u>			
<u>Emergency signs are to be of photoluminescent material as per SANS 1186-5, fixed to walls or ceilings as per manufacturer's instructions.</u>			
21	380 x 190mm plate with running man and right arrow symbol, wall hung	No	2
22	380 x 190mm plate with running man and right arrow symbol, ceiling hung	No	5
23	380 x 190mm plate with left arrow and running man symbol, wall hung	No	8
24	380 x 190mm plate with left arrow and running man symbol, ceiling hung	No	9
25	380 x 190mm plate with down arrow and running man symbol, wall hung	No	5
26	380 x 190mm plate with down arrow and running man symbol, ceiling hung	No	6
27	380 x 190mm plate with down arrow and running man symbol, ceiling hung and double sided	No	3
28	190 x 190mm plate with exit symbol, wall hung	No	4
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Brought Forward		
29	190 x 190mm plate with exit symbol, ceiling hung	No 5
30	380 x 190mm plate with first aid and down arrow symbol, wall hung	No 2
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>		
<u>"Bestboard" (or similar approved) Combi Non-magnetic Board combiBrd NM white/carpet (Code COM12)</u>		
31	1200 x 1200mm high pin/white board combination, plugged and screwed to wall as per manufacturer's recommendations.	No 2
<u>SUNDRIES</u>		
<u>"UNION" or similar approved</u>		
32	32mm Diameter rubber door stop plugged against wood backing	No 11

Carried Forward to Summary of Section No. 2

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Item No	Quantity	Rate	Amount
<u>BILL NO. 8</u>			
<u>METALWORK</u>			
<u>PREAMBLES</u>			
The Tenderer is referred to the relevant Clauses in the document PW 371 Particular Specification annexed to these bill of quantities and the supplementary preambles here under.			
<u>SUPPLEMENTARY PREAMBLES:</u>			
<u>Descriptions:</u>			
Descriptions of bolts shall be deemed to include nuts and washers.			
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.			
Metalwork described as holed for bolts shall be deemed to exclude the bolts unless otherwise described.			
<u>PRESSED STEEL DOOR FRAMES</u>			
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>			
<u>1.2mm Double rebated frames suitable for one brick walls with two 100mm brass butt hinges per door leaf</u>			
1	Frame for double door 1524 x 2032mm high	No 2	
2	Frame for door 813 x 2032mm high	No 7	
<u>PRESSED STEEL GARAGE DOORS</u>			
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