

**CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS**  
**SECTION 1300**

| TENDERED                                |    |   |           |             |            |             |
|---|----|---|-----------|-------------|------------|-------------|
| ITEM                                    | LI | DESCRIPTION   | UNIT      | QTY         | RATE       | AMOUNT      |
| <b>13</b>                               |    | <b>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</b>   |           |             |            |             |
| 13.01                                   |    | Contractor's general obligations  |           |             |            |             |
|   |    | (a) Fixed obligations   | L/sum     | 1           |            |             |
|   |    | (b) Value-related obligations   | L/sum     | 1           |            |             |
|   |    | (c) Time-related obligations  | Month     | 5           |            |             |
|   |    | (d) Community Liason Officer  | P Sum     | 1           | R25 000,00 | R 25 000,00 |
|   |    | (e) Re-imbursement of the Project Steering Committee  | P Sum     | 1           | R5 250,00  | R 5 250,00  |
|   |    | (f) Student technician (Built Environment)  | P Sum     | 1           | R30 000,00 | R 30 000,00 |
| 13.02                                   |    | Health and Safety   | Sum       | 1           |            |             |
| 13.03                                   |    | Health and Safety Officer   | Month     | 5           |            |             |
| 13.04                                   |    | % Mark Up on items (d), (e) and (f)   | %         | R60 250,00  |            |             |
|   |    | <u>Engineers telecommunication equipment</u>  |           |             |            |             |
| 13.05                                   |    | 1) allow R 30000(Thirty Thousand Rands) for the engineers and the engineers representative telecommunication including cellphone, airtime, data connection and Laptops. | P Sum     | R 30 000,00 | 1          | R30 000,00  |
| 13.06                                   |    | % Mark up on item 13.07   | %         | R30 000,00  |            |             |
|   |    | Dealing Exist Services  | Prov. Sum | 1           | R 10 000   | R 10 000    |
|   |    | Handling cost for the item above  | %         | 10 000      |            |             |
|   |    | Inservice training for civil engineering student  | Prov. Sum | 1,00        | R 20 000   | R 20 000    |
|   |    | Handling cost for the item above  | %         | 20 000      |            |             |
|   |    | Name Board  | No.       | R 2,00      |            |             |
|   |    | <u>Dayworks</u>   |           |             |            |             |
|   |    | Foreman   | hr        | 100         |            |             |
|   |    | Skilled   | hr        | 65          |            |             |
|   |    | Semi-skilled  | hr        | 50          |            |             |
|   |    | Unskilled   | hr        | 35          |            |             |
|   |    | Plough back to community.   | Sum       | 1           |            |             |
| <b>TOTAL CARRIED FORWARD TO SUMMARY</b> |    |   |           |             |            |             |

| ITEM NO                      | DESCRIPTION  | UNIT           | QUANTITY | RATE | AMOUNT |
|------------------------------|--|----------------|----------|------|--------|
| 1                            | <b><u>SECTION NO. 1: BUILDING WORKS</u></b>  |                |          |      |        |
|                              | <b><u>BILL NO.1</u></b>  |                |          |      |        |
| 1,1                          | <b><u>EARTHWORKS (PROVISIONAL)</u></b>   |                |          |      |        |
|                              | Tenderers are advised to study the Model Preambles for Trades before pricing this bill   |                |          |      |        |
| 1,2                          | <b><u>SUPPLEMENTARY PREAMBLES</u></b>  |                |          |      |        |
| 1,2,1                        | <b><u>Nature of ground</u></b>   |                |          |      |        |
|                              | therefore "earth", but possibly interspersed with "soft rock" or The nature of the ground is assumed to be clay/gravel material, "hard rock" |                |          |      |        |
| 1,2,1,1                      | <b><u>Carting away of excavated material</u></b>   |                |          |      |        |
|                              | Descriptions of carting away of excavated material shall be deemed "hard rock"   |                |          |      |        |
|                              | excavations or, alternatively, from stock piles situated on the building site  |                |          |      |        |
| 1,3                          | <b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>   |                |          |      |        |
| 1,3,1                        | <b><u>Excavation in earth not exceeding 2m deep</u></b>  |                |          |      |        |
| 1,3,1,1                      | Reduced levels under floors  | m <sup>3</sup> | 32       |      |        |
| 1,3,1,2                      | Trenches   | m <sup>3</sup> | 77       |      |        |
| 1,3,2                        | <b><u>Extra over trench and hole excavations in earth for excavation in</u></b>  |                |          |      |        |
| 1,3,2,1                      | Soft rock  | m <sup>3</sup> | 13       |      |        |
| 1,3,2,2                      | Hard rock  | m <sup>3</sup> | 8        |      |        |
| 1,3,3                        | <b><u>Extra over all excavations for carting away</u></b>  |                |          |      |        |
| 1,3,3,1                      | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor                               | m <sup>3</sup> | 91       |      |        |
| 1,3,4                        | <b><u>Risk of collapse of excavations</u></b>  |                |          |      |        |
| 1,3,4,1                      | Sides of trench and hole excavations not exceeding 1,5m deep   | m <sup>2</sup> | 90       |      |        |
| 1,3,5                        | <b><u>Keeping excavations free of water</u></b>  |                |          |      |        |
| 1,3,5,1                      | Keeping excavations free of water other than subterranean water  | Item           | 1        |      |        |
| <b>Total Carried Forward</b> |  |                |          |      |        |

| ITEM NO                         | DESCRIPTION   | UNIT           | QUANTITY | RATE | AMOUNT |
|---------------------------------|---|----------------|----------|------|--------|
| <b>Total Brought Forward</b>    |   |                |          |      |        |
| <b>1,4</b>                      | <b><u>FILLING ETC</u></b>   |                |          |      |        |
| 1,4,1                           | <u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>   |                |          |      |        |
| 1,4,1,1                         | Under floors, steps, pavings, etc   | m <sup>3</sup> | 27       |      |        |
| 1,4,1,2                         | Backfilling to trenches, holes, etc   | m <sup>3</sup> | 59       |      |        |
| 1,4,2                           | <u>Earth filling supplied by the contractor, compacted to 99% Mod AASHTO density</u>  |                |          |      |        |
| 1,4,2,1                         | Hardcore fill to be compacted properly onto which multiple layers of Sabunga (150mm thick layers) are compacted. DPC laid onto sabunga or other suitable G5 material, onto which surface bed get poured     | m <sup>3</sup> | 55       |      |        |
| 1,4,3                           | <u>Compaction of surfaces</u>   |                |          |      |        |
| 1,4,3,1                         | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 99% Mod AASHTO density | m <sup>3</sup> | 98       |      |        |
| 1,4,4                           | <u>Prescribed density tests on filling</u>  |                |          |      |        |
| 1,4,4,1                         | "Modified AASHTO Density" test  | No             | 8        |      |        |
| <b>1,5</b>                      | <b><u>SOIL POISONING</u></b>  |                |          |      |        |
| 1,5,1                           | <u>Soil insecticide</u>   |                |          |      |        |
| 1,5,1,1                         | Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming   | m <sup>2</sup> | 98       |      |        |
| 1,5,1,2                         | To bottoms and sides of trenches etc  | m <sup>2</sup> | 77       |      |        |
| <b>Total Carried To summary</b> |   |                |          |      |        |

| ITEM NO                      | DESCRIPTION   | UNIT           | QUANTITY | RATE | AMOUNT |
|------------------------------|---|----------------|----------|------|--------|
| 2                            | <b><u>SECTION NO.2: CONCRETE WORKS</u></b>  |                |          |      |        |
|                              | <b><u>BILL NO.2</u></b>   |                |          |      |        |
| 2,1                          | <b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>  |                |          |      |        |
|                              | Tenderers are advised to study the Model Preambles for Trades before pricing this bill  |                |          |      |        |
| 2,2                          | <b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>   |                |          |      |        |
| 2,2,1                        | <u>25MPa/19mm concrete</u>  |                |          |      |        |
| 2,2,2,1                      | Footings refer to structural engineers specifications   | m <sup>3</sup> | 21       |      |        |
| 2,2,2,2                      | 85mm and 100mm thick reinforce concrete slab on 0.365mm polyolefin dpc with minimum 150mm overlaps and sealed with with pressure sensitive tape on 30mm sand blinding on well compacted poisoned fill | m <sup>3</sup> | 13       |      |        |
| <b>Total Carried Forward</b> |   |                |          |      |        |

| ITEM NO                      | DESCRIPTION  | UNIT           | QUANTITY | RATE | AMOUNT |
|------------------------------|--|----------------|----------|------|--------|
| <b>Total Brought Forward</b> |  |                |          |      |        |
| <b>2,3</b>                   | <b><u>REINFORCED CONCRETE</u></b>  |                |          |      |        |
| <b>2,4</b>                   | <b><u>TEST CUBES</u></b>   |                |          |      |        |
| 2,4,1                        | Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional) | No             | 13       |      |        |
| <b>2,5</b>                   | <b><u>CONCRETE SUNDRIES</u></b>  |                |          |      |        |
| 2,5,1                        | <u>Finishing top surfaces of concrete smooth with a power float</u>            |                |          |      |        |
| 2,5,1,1                      | Surface beds, slabs, etc to falls  | m <sup>2</sup> | 98       |      |        |
| <b>2,6,1</b>                 | <b><u>High tensile steel reinforcement to structural concrete work</u></b>     |                |          |      |        |
| 2,6,2                        | <u>Fabric reinforcement</u>  |                |          |      |        |
| 2,6,2,1                      | Type 193 fabric reinforcement in concrete surface beds etc                     | m <sup>2</sup> | 98       |      |        |
| <b>Total Carried Summary</b> |  |                |          |      |        |

| ITEM NO                      | DESCRIPTION  | UNIT           | QUANTITY | RATE | AMOUNT |
|------------------------------|--|----------------|----------|------|--------|
| 3                            | <b><u>SECTION NO.3 :MASONRY</u></b><br><b><u>BILL NO.3</u></b><br><br>Tenderers are advised to study the Model Preambles for Trades before pricing this bill |                |          |      |        |
| 3,1                          | <b><u>SUPPLEMENTARY PREAMBLES</u></b>  |                |          |      |        |
| 3,1,1                        | <u>Sizes in descriptions</u>   |                |          |      |        |
| 3,1,1,1                      | Where sizes in descriptions are given in brick units, one brick shall represent the length and half brick the width of a brick                               |                |          |      |        |
| 3,1,1,2                      | Bricks shall be ordered timeously to obtain uniformity in size and colour  |                |          |      |        |
| 3,2                          | <b><u>FOUNDATIONS (PROVISIONAL)</u></b>  |                |          |      |        |
| 3,2,1                        | <u>Red ronon Brickwork (14 MPa nominal compressive strength) in class 1 motar</u>  |                |          |      |        |
| 3,2,1,2                      | One brick walls  | m <sup>2</sup> | 104      |      |        |
| 3,3                          | <b><u>SUPERSTRUCTURE</u></b>   |                |          |      |        |
| 3,3,1                        | <u>Red ronon Brick SABS approved in class II mortar</u>  |                |          |      |        |
| 3,3,1,2                      | One brick walls  | m <sup>2</sup> | 308      |      |        |
| 3,4                          | <b><u>COMMON BRICK</u></b>   |                |          |      |        |
| 3,4,1                        | Half brick walls   | m <sup>2</sup> | 412      |      |        |
| <b>Total Carried Forward</b> |  |                |          |      |        |

| ITEM NO                      | DESCRIPTION  | UNIT | QUANTITY | RATE | AMOUNT |
|------------------------------|--|------|----------|------|--------|
| <b>Total Brought Forward</b> |  |      |          |      |        |
| 3,5,1                        | <u>Brickwork reinforcement</u>   |      |          |      |        |
| 3,5,1,1                      | 150mm Wide reinforcement built in horizontally every 4 courses   | m    | 520      |      |        |
| 3,5,2                        | <u>Prestressed fabricated concrete lintels including necessary temporary supports</u>  |      |          |      |        |
| 3,5,2,1                      | 110 x 75mm Lintels in lengths not exceeding 3m   | m    | 68       |      |        |
| 3,5,4                        | <u>Galvanised hoop iron cramps, ties, etc</u>  |      |          |      |        |
| 3,5,4,1                      | 30 x 1,6mm Galvanised hoop iron strap 1,6m long with one end fixed into brickwork with Hilti nails (provisional) 5 courses below wall-plate. | No   | 68       |      |        |
| <b>Total Carried Summary</b> |  |      |          |      |        |

| ITEM NO                         | DESCRIPTION   | UNIT           | QUANTITY | RATE | AMOUNT |
|---------------------------------|---|----------------|----------|------|--------|
| <b>4</b>                        | <b><u>SECTION NO.4: WATERPROOFING</u></b><br><b><u>BILL NO.4</u></b><br><br>Tenderers are advised to study the Model Preambles for Trades before pricing this bill  |                |          |      |        |
| <b>4,1</b>                      | <b><u>SUPPLEMENTARY PREAMBLES</u></b>   |                |          |      |        |
| 4,1,1                           | <u>Waterproofing</u><br><br>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs |                |          |      |        |
| <b>4,2</b>                      | <b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b>  |                |          |      |        |
| 4,2,1                           | <u>One layer 375 micron "Consol Plastics Brickgrip DPC" embossed damp proof course</u>  |                |          |      |        |
| 4,2,1,1                         | In walls  | m <sup>2</sup> | 97,50    |      |        |
| 4,2,2                           | <u>One layer 375 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure sensitive Tape"</u>   |                |          |      |        |
| 4,2,2,1                         | Under surface beds  | m <sup>2</sup> | 97,50    |      |        |
| <b>4,3</b>                      | <b><u>SEALING STRIPS, JOINT SEALANTS, ETC</u></b>   |                |          |      |        |
| 4,3,1                           | <u>"Colpor 200" sealant (or similar approved) including polythylene bond breaking cord</u>  |                |          |      |        |
| 4,3,1,1                         | 8 x 25mm In saw cut joints in floors  | m              | 65,00    |      |        |
| 4,3,2                           | <u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>  |                |          |      |        |
| 4,3,2,1                         | 10 x 10mm In horizontal expansion joints including raking out expansion joint filler as necessary   | m              | 130,00   |      |        |
| 4,3,2,2                         | 10 x 12mm In vertical expansion joints including raking out expansion joint filler as necessary   | m              | 78,00    |      |        |
| <b>Total Carried to Summary</b> |   |                |          |      |        |

| ITEM NO                  | DESCRIPTION   | UNIT | QUANTIT Y | RATE | AMOUNT |
|--------------------------|---|------|-----------|------|--------|
| 5                        | <b><u>SECTION NO.5: ROOF COVERING</u></b><br><b><u>BILL NO.5</u></b><br><br>Tenderers are advised to study the Model Preambles for Trades before pricing this bill  |      |           |      |        |
| 5,1                      | <b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b><br><br><u>Supply and Install a 0,58mm Klip Lok 700 roof sheeting fixed to GMS steel purlins 75x50mm On 250x150mm GMS I-Beam refer to structural engineers specifications.</u><br><u>The area of the roof is 528m2. Rainwater havesting gutters with 8 x 1000L</u> | Sum  | 1         |      |        |
| 5,1,1                    | <u>rainwater tanks completely installed</u>   |      |           |      |        |
| Total Carried to Summary |   |      |           |      |        |

| ITEM NO                      | DESCRIPTION  | UNIT | QUANTITY | RATE | AMOUNT |
|------------------------------|--|------|----------|------|--------|
| 6                            | <p><b><u>SECTION NO.6: CARPENTRY AND JOINERY</u></b></p> <p><b><u>BILL NO.6</u></b></p> <p>Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p>                  |      |          |      |        |
| 6,1                          | <b><u>SUPPLEMENTARY PREAMBLES</u></b>  |      |          |      |        |
| 6,1,1                        | <u>Fixing</u>  |      |          |      |        |
| 6,1,1,1                      | Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete  |      |          |      |        |
| 6,1,1,2                      | Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere |      |          |      |        |
| 6,1,2                        | <u>Joinery</u>   |      |          |      |        |
| 6,1,2,1                      | Descriptions of frames shall be deemed to include frames, transomes, rails, etc  |      |          |      |        |
| 6,1,2,2                      | Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts  |      |          |      |        |
| 6,1,2,3                      | Decorative thermosetting plastic laminate covering   |      |          |      |        |
| 6,1,2,4                      | Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish  |      |          |      |        |
| <b>total carried forward</b> |  |      |          |      |        |

| ITEM NO                  | DESCRIPTION   | UNIT | QUANTITY | RATE | AMOUNT |
|--------------------------|---|------|----------|------|--------|
| total brought forward    |   |      |          |      |        |
| 6,2                      | <u>SALIGNA</u>  |      |          |      |        |
| 6,2,1                    | SWARLAND SOLID core flush panel timber door to be primed and painted with 2 coats 'Plascon Velvagro' gloss enamel applied in accordance with manufactures specification Timber frame to suit door COLOUR: BATTLESHIP GREY |      |          |      |        |
| 6,2,1,1                  | Door size 813x2500x44mm   | No   | 23       |      |        |
| Total Carried to summary |   |      |          |      |        |

| ITEM NO                      | DESCRIPTION  | UNIT | QUANTITY | RATE | AMOUNT |
|------------------------------|--|------|----------|------|--------|
| 7                            | <b><u>SECTION NO.7: IRONMONGERY</u></b><br><b><u>BILL NO. 7</u></b><br><br><b><u>IRONMONGERY</u></b><br><br>Tenderers are advised to study the Model Preambles for Trades before pricing this bill<br><br><b><u>SUPPLEMENTARY PREAMBLES</u></b>  |      |          |      |        |
| 7,1,1                        | <u>Fixing</u><br><br>Description of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories<br><br>Description of proprietary items shall be deemed to include for fixing in position and all fixing accessories as specified by the manufacturer |      |          |      |        |
| 7,2                          | <b><u>HINGES,BOLTS,ETC</u></b>   |      |          |      |        |
| 7,2,1                        | <b><u>Solid</u></b>  |      |          |      |        |
| 7,2,2,1                      | 75 x 100mm High Brass hinge.   | No   | 60       |      |        |
| 7,2,2,2                      | Solid Art 293 WC indicator bolt  | No   | 20       |      |        |
| 7,2,2,3                      | 150mm Satin chrome flush bolt with keep fixed to steel frame   | No   | 20       |      |        |
| 7,2,2,4                      | 150mm Satin chrome flush bolt with keep cast into concrete.  | No   | 20       |      |        |
| 7,3                          | <b><u>LOCKS</u></b>  |      |          |      |        |
| 7,3,1                        | <b><u>Solid</u></b>  |      |          |      |        |
|                              | The following locks are to be suitable for master key operation  |      |          |      |        |
| 7,3,1,1                      | Art 390/313/ Three lever lockset   | No   | 2        |      |        |
| <b>Total Carried Forward</b> |  |      |          |      |        |

| ITEM NO                         | DESCRIPTION   | UNIT | QUANTITY | RATE | AMOUNT |
|---------------------------------|---|------|----------|------|--------|
| <b>Total Brought Forward</b>    |   |      |          |      |        |
| <b>7,4</b>                      | <b><u>LETTERS, NAMEPLATES, ETC</u></b>                                  |      |          |      |        |
| 7,4,1                           | Aluminium sign plate (Male/Female) screwed to door.                     | No   | 4        |      |        |
| 7,4,2                           | 3000 x 500mm High aluminium name plate with screwed to plastered walls. | No.  | 1        |      |        |
| <b>7,5</b>                      | <b><u>SUNDRIES</u></b>  |      |          |      |        |
| 7,5,1                           | 38mm Diameter rubber door stop plugged                                  | No   | 18       |      |        |
| <b>Total Carried to Summary</b> |   |      |          |      |        |

| ITEM NO                      | DESCRIPTION   | UNIT | QUANTITY | RATE | AMOUNT |
|------------------------------|---|------|----------|------|--------|
| 8                            | <b><u>SECTION NO.8: METAL WORK</u></b><br><b><u>BILL NO.8</u></b><br><br>Tenderers are advised to study the Model Preambles for Trades before pricing this bill |      |          |      |        |
| 8,1                          | <b><u>SUPPLEMENTARY PREAMBLES</u></b>   |      |          |      |        |
| 8,1,1                        | Descriptions of bolts shall be deemed to include nuts and washers   |      |          |      |        |
| 8,1,2                        | Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete       |      |          |      |        |
| 8,1,3                        | Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described  |      |          |      |        |
| 8,1,4                        | Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres                                |      |          |      |        |
| 8,2                          | <b><u>DOOR FRAMES, DOORS, WINDOWS, ETC</u></b>  |      |          |      |        |
| 8,2,1                        | <b><u>GALVANISED STOCK STEEL DOOR FRAMES</u></b>  |      |          |      |        |
| 8,2,1,2                      | 1,6mm Galvanised steel door frame double rebated for 115mm wall as per architect drawing.   | No   | 20       |      |        |
| 8,3                          | <b><u>ALUMINIUM WINDOWS,DOORS,ETC</u></b>   |      |          |      |        |
| 8,3,1                        | <u>1800x600mm Powder coated aluminium, tophung 2-opening panel window to manufacturer's specification. Colour: BATTLESHIP GREY.</u>                             | No   | 13       |      |        |
| <b>Total Carried Forward</b> |   |      |          |      |        |

| ITEM NO                         | DESCRIPTION  | UNIT           | QUANTITY | RATE | AMOUNT |
|---------------------------------|--|----------------|----------|------|--------|
| 9                               | <p><b><u>SECTION NO.10: TILING</u></b></p> <p><b><u>BILL NO.11</u></b></p> <p>Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p>   |                |          |      |        |
| 9,1                             | <b><u>SUPPLEMENTARY PREAMBLES</u></b>  |                |          |      |        |
| 9.1.1                           | <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> |                |          |      |        |
| 9,2                             | <b><u>FLOOR TILING</u></b>   |                |          |      |        |
| 9.2.1                           | <p>Union Tiles 600x600 Double Loaded matt Porcelain tiles: UNM 129600 Matt(R9) Ristretta Dopplo collection. Laid with Tal Adhesive and 3mm tilling grouting all in Dove Grey.</p>  | m <sup>2</sup> | 97,5     |      |        |
| 9,3                             | <b><u>WALL TILING</u></b>  |                |          |      |        |
| 9.3.1                           | <p>Porcelain Johnson Tiles black 200 x 100mm polished splayed edges brick tile fixed with TAL products, with min 3mm grouting line: color Dove drey.</p>   |                |          |      |        |
| 9.3.1.1                         | On walls   | m <sup>2</sup> | 143      |      |        |
| 9,4                             | <b><u>SKIRTING</u></b>   |                |          |      |        |
| 9.4.1                           | <p>220 X 22mm thick solid pine moulded timber skirting fixed to manufaturers specification and sanded and sealed with 2x coats Woodoc 30 wood varnish to architect's approval.</p>   | m              | 195      |      |        |
| <b>Total Carried to summary</b> |  |                |          |      |        |

| ITEM NO                         | DESCRIPTION   | UNIT           | QUANTITY | RATE | AMOUNT |
|---------------------------------|---|----------------|----------|------|--------|
| 10                              | <p><b><u>SECTION NO.10: PLASTERING</u></b></p> <p><b><u>BILL NO.10</u></b></p> <p>Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p>                              |                |          |      |        |
| 10,1                            | <b><u>INTERNAL PLASTER</u></b>  |                |          |      |        |
| 10.1.1                          | <u>Cement Plaster to be 1:3 mix; cement/sand to CSIR standards and mix plaster to have a waterproof agent added. Newly plastered walls to have sillseal, or egaul and approved, sprayed onto surface.</u> |                |          |      |        |
| 10.1.1.1                        | On walls  | m <sup>2</sup> | 433      |      |        |
| 10.1.1.2                        | On narrow widths  | m <sup>2</sup> | 181      |      |        |
| 10,2                            | <b><u>EXTERNAL PLASTER</u></b>  |                |          |      |        |
| 10.2.1                          | <u>1:5 Cement plaster steel trowelled smooth on brickwork.</u>  |                |          |      |        |
| 10.2.1.1                        | On walls  | m <sup>2</sup> | 433      |      |        |
| <b>Total Carried to summary</b> |   |                |          |      |        |

| ITEM NO                      | DESCRIPTION  | UNIT | QUANTITY | RATE | AMOUNT |
|------------------------------|--|------|----------|------|--------|
| 11                           | <b>SECTION NO.11: PLUMBING AND DRAINAGE (PROVISIONAL)</b><br><b><u>BILL NO.11</u></b><br><br>Tenderers are advised to study the Model Preambles for Trades before pricing this bill  |      |          |      |        |
| 11,1                         | <b><u>SUPPLEMENTARY PREAMBLES</u></b>  |      |          |      |        |
| 11,1,1                       | <u>uPVC pipes and fittings:</u><br><br>Soil, waste and vent pipes and fittings shall be solvent weld jointed   |      |          |      |        |
| 11,1,2                       | <u>Copper pipes:</u><br><br>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be Cobra Watertech type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground |      |          |      |        |
| 11,1,3                       | <u>Fixing of pipes</u><br><br>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level  |      |          |      |        |
| 11,1,4                       | <u>Exposed concrete surfaces</u><br><br>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster  |      |          |      |        |
| 11,1,5                       | <u>Excavations</u><br><br>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling<br>Soft rock and hard rock shall be as defined in Earthwork   |      |          |      |        |
| 11,1,6                       | <u>Laying, backfilling, bedding, etc. of pipes</u>   |      |          |      |        |
| 11,1,6,1                     | Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions<br>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:  |      |          |      |        |
| 11,1,6,2                     | SABS 1200 L : Medium-pressure pipelines<br>LD : Sewers<br>LE : Stormwater drainage   |      |          |      |        |
| 11,1,6,3                     | Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200   |      |          |      |        |
| <b>Total carried forward</b> |  |      |          |      |        |

| ITEM NO                         | DESCRIPTION   | UNIT | QUANTITY | RATE | AMOUNT |
|---------------------------------|---|------|----------|------|--------|
| <b>Total Brought Forward</b>    |   |      |          |      |        |
| 11.1.7                          | <u>DB : Earthworks (Pipe trenches)</u>  |      |          |      |        |
| 11.1.7.1                        | Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200  |      |          |      |        |
| 11.1.8                          | <u>LB : Bedding (Pipes).</u>  |      |          |      |        |
| 11.1.8.1                        | Unless otherwise described bedding of rigid pipes shall be class B bedding  |      |          |      |        |
| 11,2                            | Water Supply and waste pipes  | sum  | 1        |      |        |
| <b>11,3</b>                     | <b>SANITARY SCHEDULE</b>  |      |          |      |        |
| <b>11.3.1</b>                   | <b><u>TOLILET</u></b>   |      |          |      |        |
| 11.3.2                          | MACNEIL solo wall hung pan bail + seat colour: white. Code 211225   | No   | 20       |      |        |
| 11.3.2                          | <b><u>BASIN</u></b>   |      |          |      |        |
| 11.3.2.1                        | VAAL HIBISCUS PP Rounded wall-hung basinn with three semi-punched tapholes, integrated overflow, andnchain stay hole through the centre semi-punched tapholes. Code: 702303 | No   | 20       |      |        |
| 11.3.2.2                        | MESSEN Sing lever basin mixer deck-type long colour: matt black/ double black. Code SL220SNLB   | No   | 20       |      |        |
| 11.3.2.3                        | Square Bottle trap 32 mm Mtt Black - Gio Plumbing. Code GIO-A187/MB   | No   | 20       |      |        |
| <b>total Carried to Summary</b> |   |      |          |      |        |

| ITEM NO                         | DESCRIPTION  | UNIT           | QUANTITY | RATE | AMOUNT |
|---------------------------------|--|----------------|----------|------|--------|
| 12                              | <b><u>SECTION NO.12: PAINTWORK</u></b><br><b><u>BILL NO.12</u></b><br><br>Tenderers are advised to study the Model Preambles for Trades before pricing this bill |                |          |      |        |
| 12,1                            | <b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>   |                |          |      |        |
| 12,1,1                          | On walls   | m <sup>2</sup> | 641      |      |        |
| 12,2                            | <b><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></b>   |                |          |      |        |
| 12,2,1                          | On Walls   | m <sup>2</sup> | 433      |      |        |
| 12,3                            | <b><u>ON WOOD</u></b>  |                |          |      |        |
| 12,3,1                          | <u>One coat oil wood primer, one universal undercoat and two coats "Gloss enamel" paint</u>  |                |          |      |        |
| 12,3,2                          | On doors   | m <sup>2</sup> | 47       |      |        |
| 12,3,3                          | <u>Three coats clear mat varnish</u>   |                |          |      |        |
| 12,3,4                          | On doors   | m <sup>2</sup> | 47       |      |        |
| <b>Total Carried to Summary</b> |  |                |          |      |        |

| ITEM NO                  | DESCRIPTION   | UNIT           | QUANTITY | RATE | AMOUNT |
|--------------------------|---|----------------|----------|------|--------|
| 13                       | <u>SECTION NO.14: CEILING</u><br><u>BILL NO.13</u>  |                |          |      |        |
| 13,1                     | Supply and Install a 6.4mm gypsum Rhino board fixed to 32 x15 steel<br>brandering (c-chanel), with 40 x 24mm alumiiium shadowilne wall anle<br>ceiling cornice, to be skimmed and painted | m <sup>2</sup> | 113,1    |      |        |
| Total Carried to Summary |   |                |          |      |        |

| ITEM NO                         | DESCRIPTION   | UNIT           | QUANTITY | RATE | AMOUNT |
|---------------------------------|---|----------------|----------|------|--------|
| 14                              | <b><u>SECTION NO. 14: EXTERNAL WORKS</u></b>  |                |          |      |        |
|                                 | <b><u>BILL NO.14</u></b>  |                |          |      |        |
| 14,1                            | <b><u>SITE CLEARANCE AND FORMING PLATFORM (PROVISIONAL)</u></b>   |                |          |      |        |
|                                 | Tenderers are advised to study the Model Preambles for Tradesbefore pricing this bill   |                |          |      |        |
| 14,2                            | <b><u>SUPPLEMENTARY PREAMBLES</u></b>   |                |          |      |        |
| 14,2,1                          | <u>Nature of ground</u>   |                |          |      |        |
| 14,2,1,1                        | The nature of the ground is assumed to be clay/gravel material, therefore "earth", but possibly interspersed with "soft rock" or "hard rock"  |                |          |      |        |
| 14,3                            | <b><u>Carting away of excavated material</u></b>  |                |          |      |        |
|                                 | Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated building site |                |          |      |        |
| 14,3,1                          |   |                |          |      |        |
| 14,4                            | <b><u>Site clearance</u></b>  |                |          |      |        |
| 14,4,1                          | Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth  | m <sup>2</sup> | 130      |      |        |
| 14,4,2                          | Stripping average 150mm thick layer of top soil and depositing material in prescribed stock piles on site   | m <sup>2</sup> | 130      |      |        |
| <b>Total Carried to Summary</b> |   |                |          |      |        |

| ITEM NO                         | DESCRIPTION   | UNIT   | QUANTITY   | RATE       | AMOUNT     |
|---------------------------------|---|--------|------------|------------|------------|
| 16                              | <b><u>SECTION NO. 16: PROVISIONAL SUMS</u></b>  |        |            |            |            |
|                                 | <b><u>BILL NO.16</u></b>  |        |            |            |            |
| 16,1                            | <b><u>ELECTRICAL WORK AND ELETRONIC SERVICES</u></b>                                  |        |            |            |            |
| 16,1,1                          | Provision for the electrical works (Wayleaves, Connections and other sandries)        | P. Sum | 1          | 70 000,00  | 70 000,00  |
| 16,1,1,1                        | Allow for profit.   | %      | 70 000,00  |            |            |
| 16,1,1,2                        | Allow for attendance.   | P.Sum  | 1          | 3 500,00   | 3 500,00   |
| 16,2                            | <b><u>STRUCTURAL STEEL</u></b>  |        |            |            |            |
| 16,2,1                          | Provision for the structural steel work joints and sandries (beams, potal frames etc) | P.Sum  | 1          | 120 000,00 | 120 000,00 |
| 16,2,1,1                        | Allow for profit.   | %      | 120 000,00 |            |            |
| 16,2,1,2                        | Allow for attendance.   | P.Sum  | 1          | 6 000,00   |            |
| <b>Total Carried to Summary</b> |   |        |            |            |            |

| ITEM NO                  | DESCRIPTION  | UNIT | QUANTITY | RATE | AMOUNT |
|--------------------------|--|------|----------|------|--------|
|                          | 17   |      |          |      |        |
|                          | BILL NO.17   |      |          |      |        |
|                          | 17,1   |      |          |      |        |
| 17,1,1                   | Supply 2000 x 2515mm PVC Coated Black Panel including 1 x Vehicular Gate and 2 x pedestrian gate | Item | 93       |      |        |
| 16,1,2                   | 2600mm PVC Coated Black Post (Incl Fittings)   | Item | 94       |      |        |
|                          | 17,2   |      |          |      |        |
| 17,2,1                   | INSTALLATION   |      |          |      |        |
|                          | Installation of Fencing Including excavation , casting of concrete                               | m    | 240      |      |        |
|                          | 17,3   |      |          |      |        |
| 17,3,1                   | DELIVERY   |      |          |      |        |
|                          | Delivery to Cacadu   | Item | 1        |      |        |
| Total Carried to Summary |  |      |          |      |        |

| ITEM NO                  | DESCRIPTION  | UNIT  | QUANTITY     | RATE | AMOUNT      |
|--------------------------|--|-------|--------------|------|-------------|
| 17                       | Landscaping ( Including Grassing, Planinting trees, paving and walkways) | P Sum | R 230 000,00 | 1    | R230 000,00 |
|                          | hindling cost for the above  | %     |              |      |             |
| Total Carried to Summary |  |       |              |      |             |

| SECTION SUMMARY - SECTION 2: Building Works |   |  |
|---|---|--|
| 0   | Preliminary & Generals Provisional Sums |  |
| 1   | Earthworks                              |  |
| 2   | Concrete, Formwork and Reinforcement    |  |
| 3   | Masonry                                 |  |
| 4   | Waterproofing                           |  |
| 5   | Roof Coverings                          |  |
| 6   | Carpentry and Joinery                   |  |
| 8   | Ironmongery                             |  |
| 9   | Metalwork                               |  |
| 10  | Tilling                                 |  |
| 11  | Plastering                              |  |
| 12  | Plumbing and Drainage                   |  |
| 13  | Paintwork                               |  |
| 14  | Ceiling                                 |  |
| 15  | External Works                          |  |
| 16  | Clieview Fencing                        |  |
| 17  | Landscaping                             |  |
|   | <b>Subtotal 1</b>                       |  |
|   | Add 10% Contigencies                    |  |
|   | <b>Sub-Total 2</b>                      |  |
|   | <b>TOTAL</b>                            |  |
|   | Add Vat @ 15%                           |  |
| <b>GRAND TOTAL</b>                          |   |  |