

**1200 GENERAL REQUIREMENTS AND PROVISIONS****SECTION 1200**

| Item No.                         | Description   | Unit     | Quantity     | Rate         | Amount       |
|----------------------------------|---|----------|--------------|--------------|--------------|
| B12.01                           | Accredited Training:  |          |              |              |              |
|                                  | (a) Provisional Sum for training allowance to targeted labour undergoing training                 | Prov Sum | 1            | R 180,000.00 | R 180,000.00 |
|                                  | (a) Technical skills and student training   |          |              |              |              |
|                                  | (b) Generic skills  |          |              |              |              |
|                                  | © Entrepreneurial skills  |          |              |              |              |
|                                  | (d) Renumeration of workers undergoing technical skills training                                  |          |              |              |              |
|                                  | (e) Training Venue  |          |              |              |              |
|                                  | (f) Contractors handling costs, profit and all other charges in respect of subitems B 12.01 above | %        | R 180,000.00 |              | R -          |
| B12.02                           | Allow a provisional sum for relocation/protection of existing services when ordered by the Eng.   | Prov Sum | 1            | R 240,000.00 | R 240,000.00 |
|                                  | (b) Contractors Handling cost and profit and all other charges in respect of subitem B12.02 above | %        | R 240,000.00 |              | R -          |
| TOTAL CARRIED FORWARD TO SUMMARY |   |          |              |              | R -          |

## 1300 CONTRACTORS ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS

## SECTION 1300

| Item No.                                | Description  | Unit  | Quantity | Rate | Amount |
|---|--|-------|----------|------|--------|
| B13.01                                  | Contractor's General Obligation  |       |          |      |        |
|   | (a) Contractors Fixed Establishment  | LSum  | 1        | R -  | R -    |
|   | (b) Contractors Value related  | LSum  | 1        | R -  | R -    |
|   | © Time related costs   | Month | 12       | R -  | R -    |
|   | <b>Note:</b> The combined total tender amount subpitem (a), (b) and © should not more than <b>15%</b> of theTender sum (excluding <b>Contingencies, CPA</b> and <b>VAT</b> ) |       |          |      |        |
| B13.03                                  | Contract Nameboard:  |       |          |      |        |
|   | (a) Supply and erect two contract nameboards   | Sum   | 1        |      |        |
| B13.06                                  | Occupational Health & Safety:  |       |          |      |        |
|   | ( a ) Preparation of a Health and Safety plan  | Sum   | 1        |      |        |
|   | ( b ) Compilation of a Risk Assessment prior to construction   | Sum   | 1        |      |        |
|   | © Health and Safety Induction Training of employees  | Sum   | 1        |      |        |
|   | ( d ) Compilation and the keeping up to date of a Health and Safety file, which shall include all documentation required in terms of the Act                                 | Sum   | 1        |      |        |
|   | (e) Implementation of the Health and Safety Plan over the entire construction period   | Month | 12       |      |        |
| <b>TOTAL CARRIED FORWARD TO SUMMARY</b> |  |       |          |      | R -    |

**1400 HOUSING, OFFICERS AND LABORATORIES FOR THE ENGINEER SITE PERSONNEL****SECTION 1400**

| Item No.                                | Description                                    | Unit           | Quantity | Rate | Amount |
|---|--|----------------|----------|------|--------|
| 14.01                                   | Office and Laboratory Accommodation:           |                |          |      |        |
|   | (a) Offices (Interior floor space only)        | m <sup>2</sup> | 40       | R -  | R -    |
|   | (e) Ablution units                             | m <sup>2</sup> | 40       | R -  | R -    |
| 14.02                                   | Office and laboratory furniture:               |                |          |      |        |
|   | (a) Chairs                                     | No             | 20       | R -  | R -    |
|   | (b) Draughtsman Stools                         | No             | 1        | R -  | R -    |
|   | (d) Desk complete with drawers and locks       | No             | 1        | R -  | R -    |
|   | (e) Drawing Tables                             | No             | 1        | R -  | R -    |
|   | (f) Conference Tables                          | No             | 1        | R -  | R -    |
| 14.03                                   | Carports as specified at offices               | No             | 2        | R -  | R -    |
| 14.04                                   | (a) (i) Services for offices and laboratories: | Lsum           | 1        | R -  | R -    |
|   | (a) (ii) Running costs                         | month          | 12       | R -  | R -    |
| 14.10                                   | Provision of photostat facilities              | month          | 12       | R -  | R -    |
| <b>TOTAL CARRIED FORWARD TO SUMMARY</b> |  |                |          |      | R -    |

## 1500 ACCOMODATION OF TRAFFIC

## SECTION 1500

| Item No.              | Description   | Unit           | Quantity | Rate | Amount |
|-----------------------|---|----------------|----------|------|--------|
| B15.01                | Accommodation of traffic and maintaining temporary deviations   | m              | 4300     | R -  | R -    |
| 15.02                 | Earthworks for deviations   |                |          |      |        |
|                       | (a) Shaping of temporary deviations   | m              | 4300     | R -  | R -    |
|                       | (b) Cut and Borrow to fill  | m <sup>3</sup> | 5,160    | R -  | R -    |
|                       | © Cut to spoil  | m <sup>3</sup> | 4599     | R -  | R -    |
| 15.03                 | Temporary traffic-control facilities  |                |          |      |        |
|                       | (a) Flagperson  | days           | 1500     | R -  | R -    |
|                       | (b) Portable Stop and Go sign   | NO             | 2        | R -  | R -    |
|                       | (d) Amber flicker lights  | No             | 2        | R -  | R -    |
|                       | (g) Road Signs, STW-,DTG-,TGS-,and TG series (excluding delineators barricades)   | No             | 10       | R -  | R -    |
|                       | (h) (i) Single Plate Delineators  | no             | 5        | R -  | R -    |
|                       | (h) (ii) Dual Plate Delineators 1000x250  | no             | 10       | R -  | R -    |
|                       | (n) Provision of High visibility Safety Jackets and safety hats   | no             | 5        | R -  | R -    |
| 15.06                 | Watering of temporary deviations  | kl             | 2500     | R -  | R -    |
| 15.07                 | Blading temporary deviations  | km-pass        | 160      | R -  | R -    |
| 15.12                 | Temporary culverts  |                |          |      |        |
|                       | (a) Provision and laying of temporary prefabricated culverts Class 50D load concrete pipe culverts SC type with OG joints On class C bedding: |                |          |      |        |
|                       | (a) (1) Temporary culverts 900mm  | m              | 7.2      | R -  | R -    |
| TOTAL CARRIED FORWARD |   |                |          |      | R -    |

| 1500 ACCOMMODATION OF TRAFFIC    |  |      |          |      |   |        |   |
|----------------------------------|--|------|----------|------|---|--------|---|
| Item No.                         | Description                                    | Unit | Quantity | Rate |   | Amount |   |
| BROUGHT FORWARD                  |  |      |          |      |   | R      | - |
|                                  | ( a ) ( 3 ) Temporary culverts 900mm           | m    | 15       | R    | - | R      | - |
| 15/16.02                         | Overhaul on material hauled in excess of 1,0km | m³km | 14,250   | R    | - | R      | - |
| 15/31.01                         | Excess Olverburden                             | m³   | 2,300    | R    | - | R      | - |
| 15/55.4 ( a )                    | Fences   |      |          |      |   |        |   |
| 15/55.04 ( l )                   | 1.2m High Stock proof fences                   | m    | 960      | R    | - | R      | - |
| TOTAL CARRIED FORWARD TO SUMMARY |  |      |          |      |   | R      | - |

**1700 CLEARING AND GRUBBING****SECTION 1700**

| Item No.               | Description               | Unit | Quantity | Rate | Amount |
|------------------------|---------------------------|------|----------|------|--------|
| B17.01                 | Clearing and Grubbing of: |      |          |      |        |
|                        | ( a) Normal areas         |      |          |      |        |
|                        | ( l) Within road reserve  | ha   | 0.3      | R -  | R -    |
|                        | ( ii) In borrow pits      | ha   | 0.3      | R -  | R -    |
| IED FORWARD TO SUMMARY |                           |      |          |      | R -    |

**2100 DRAINAGE****SECTION 2100**

| Item No.                                | Description   | Unit           | Quantity | Rate |   | Amount   |          |
|---|---|----------------|----------|------|---|----------|----------|
| 21.01                                   | ( a) Excavation for open drains in soft within the following depth ranges:  |                |          |      |   |          |          |
|   | 0 m to 1,5 m  | m <sup>3</sup> | 1,134    | R    | - | R        | -        |
|   | Exceeding 1,5 m up to 3 m   | m <sup>3</sup> | 284      | R    | - | R        | -        |
| 21.03                                   | Excavation for sub-soil drainage systems:<br>( a) Excavating soft material situated within the following depths ranges: |                |          |      |   |          |          |
|   | ( i) 0 m to 1, 5 m  | m <sup>3</sup> | 60       | R    | - | R        | -        |
| 21.04                                   | Impermeable Backfilling to subsoils drainage system   | m <sup>3</sup> | 10       | R    | - | R        | -        |
| 21.06                                   | ( b) ( i) Natural permeable backfilling using fine grade stone ( 13,2mm)  | m <sup>3</sup> | 15       | R    | - | R        | -        |
| 21.06                                   | ( b) ( ii) Natural permeable backfilling using coarse grade stone ( 19 mm)  | m <sup>3</sup> | 15       | R    | - | R        | -        |
| 21.07                                   | ( b) ( i) Natural permeable material to subsoil: Sand obtained from commercial sources                                  | m <sup>3</sup> | 30       | R    | - | R        | -        |
| B21.08                                  | Pipes in subsoil drainage system:   |                |          |      |   |          |          |
|   | © ( i) 160 mm internal dia pipe slotted   | m              | 80       | R    | - | R        | -        |
|   | © ( ii) 160 mm internal dia pipe unslotted  | m              | 40       | R    | - | R        | -        |
| B21.09                                  | Polyethylene sheeting 0,250mm thick or similar , approved material, for lining subsoil drainage                         | m2             | 288      | R    | - | R        | -        |
| 21.10                                   | Synthetic Fibre filter fabric<br>( a) Non- woven kaymat A4 geotextile or similar approved                               | m2             | 384      | R    | - | R        | -        |
| 21.12                                   | Concrete outlet structures, manholes boxes  | no             | 2        | R    | - | R        | -        |
| <b>TOTAL CARRIED FORWARD TO SUMMARY</b> |   |                |          |      |   | <b>R</b> | <b>-</b> |

**2200 PREFABRICATED CULVERTS****SECTION 2200**

| Item No.                                | Description  | Unit              | Quantity | Rate |   | Amount |   |
|---|--|-------------------|----------|------|---|--------|---|
| 22.01                                   | (a) (i) Excavating soft material situated within the following depth ranges: On up to 1,5 mm | m <sup>3</sup>    | 72       | R    | - | R      | - |
| 22.01                                   | (a) (ii) Excavating soft material: 1,5m up to 3,0  | m <sup>3</sup>    | 30       | R    | - | R      | - |
| B22.02                                  | (a) Backfill with excavated material   | m <sup>3</sup>    | 220      | R    | - | R      | - |
|   | (b) Backfill with imported material  | m <sup>3</sup>    | 66       | R    | - | R      | - |
|   | © Extra Over for soil Cement Backfill ( 5%)  | m <sup>3</sup>    | 36       | R    | - | R      | - |
| 22.03                                   | (b) Concrete pipe culverts:<br>On class C bedding:<br>75D- load pipes, SC type, Ogee joints  |                   |          |      |   |        |   |
|   | (i) 600mm Concrete Pipe  | m                 | 36       | R    | - | R      | - |
| 22.17                                   | © (i) Kerb inlet complete with kerb transitions<br>Type A                                    | no                | 4        | R    | - | R      | - |
| 22.25                                   | Overhaul on excavated material carted to spoil backfill material                             | m <sup>3</sup> km | 52,560   | R    | - | R      | - |
| <b>TOTAL CARRIED FORWARD TO SUMMARY</b> |  |                   |          |      |   | R      | - |



## SECTION 2300

| Item No.                         | Description   | Unit           | Quantity | Rate | Amount |
|----------------------------------|---|----------------|----------|------|--------|
| 23.01                            | Concrete kerbing-Class 25/19  |                |          |      |        |
|                                  | ( a ) Semi-Movable kerbs ( 280 x 180 ) - Figure 7A                  | m              | 7,608    | R -  | R -    |
| 23.02                            | Concrete kerbing-channeling combination                             |                |          |      |        |
|                                  | ( a ) Type "B" ( 260 X 125 ) at guardrails                          | m              | 560      | R -  | R -    |
| 23.07                            | ( a ) Trim excavation in soft material                              | m <sup>2</sup> | 3,840    | R -  | R -    |
| 23.08                            | ( a ) ( i ) Concrete Lining 25/19 side drains                       | m <sup>3</sup> | 461      | R -  | R -    |
| 23.08                            | ( b ) Class U2 surface finish to cast insitu concrete Side drains   | m <sup>2</sup> | 3,840    | R -  | R -    |
| 23.09                            | ( b ) To sides with formwork on external face only                  | m <sup>2</sup> | 600      | R -  | R -    |
| 23.09                            | © Formwork to ends of slabs ( F2 surface finish)                    | m <sup>2</sup> | 320      | R -  | R -    |
| 23,10                            | Sealed joints in concrete linings of open drains with Flexcell 10mm | m              | 41       | R -  | R -    |
| 23.12                            | Steel Reinforcement: Using welded mesh Ref 193                      | m <sup>2</sup> | 384      | R -  | R -    |
|                                  | Welded steel fabric   |                |          |      |        |
| 23.13                            | Polysheeting 0.15mm thick for concrete lined open drains            | m <sup>2</sup> | 240      | R -  | R -    |
| 23/51.04                         | Segmented block paving ( 80 mm interlocking 25Mpa)                  | m <sup>2</sup> | 40,300   | R -  | R -    |
| TOTAL CARRIED FORWARD TO SUMMARY |   |                |          |      | R -    |

## 3300 MASS EARTHWORKS

## SECTION 3300

| Item No.                         | Description  | Unit           | Quantity | Rate |   | Amount |   |
|----------------------------------|--|----------------|----------|------|---|--------|---|
| 33.01                            | ( a) Cut and borrow to fill, including free-haul up to 0,5 km for material I compacted layer thickness of 200 mm and less: |                |          |      |   |        |   |
|                                  | ( i) Compacted to 90% of modified AASHTO density   | m <sup>3</sup> | 7,800    | R    | - | R      | - |
|                                  | ( ii) Compacted to 93% of modified AASHTO density  | m <sup>3</sup> | 6,240    | R    | - | R      | - |
| B33.04                           | ( a) Cut to spoil, Including free-haul up to 1 km : Material obtained from soft excavation                                 | m <sup>3</sup> | 2,340    | R    | - | R      | - |
|                                  | ( b) Cut to Spoil, Material obtained from Intermediate excavation  | m <sup>3</sup> | 1,560    | R    | - | R      | - |
| B33.07                           | Removal of unsuitable material ( including free-haul of 0,5 km)  | m <sup>3</sup> | 9,360    | R    | - | R      | - |
| 33.10                            | Roadbed preparation and the compaction Of material   |                |          |      |   |        |   |
|                                  | ( b) Compaction to 93% of modified AASHTO density  | m <sup>3</sup> | 6,240    | R    | - | R      | - |
| 33.11                            | Finishing-off cut and fill slopes, medians and interchanges  |                |          |      |   |        |   |
|                                  | ( a) Cut slopes  | m2             | 450      | R    | - | R      | - |
|                                  | ( b) Fill slopes   | m2             | 350      | R    | - | R      | - |
| 33/31.03                         | ( c) Finish-off borrow areas in intermediate material  | ha             | 0.2      | R    | - | R      | - |
| TOTAL CARRIED FORWARD TO SUMMARY |  |                |          |      |   | R      | - |

| 3400 GRAVEL PAVEMENT LAYERS             |   |                              |          |      | SECTION 3400 |            |
|---|---|------------------------------|----------|------|--------------|------------|
| Item No.                                | Description   | Unit                         | Quantity | Rate | Amount       |            |
| <b>BROUGHT FORWARD</b>                  |   |                              |          |      |              |            |
| 34.01                                   | Pavement Layers constructed from gravel taken from cut or borrow, including fre-haul up to 1,0 km:  |                              |          |      |              |            |
| 34.01                                   | (a) 200 mm or less Gravel Selected layer compacted to:  |                              |          |      |              |            |
|   | (i) 93% of modified AASHTO density  | m <sup>3</sup>               | 5,688    | R -  | R            | -          |
|   | (c) 150 mm Gravel Subbase (unstabilised) compacted to:  |                              |          |      |              |            |
|   | (i) 95% of modified AASHTO density  | m <sup>3</sup>               | 1,806    | R -  | R            | -          |
|   | (d) 150 mm Gravel Subbase (chemically stabilised) compacted to:   |                              |          |      |              |            |
|   | (i) 95% of modified AASHTO density  | m <sup>3</sup>               | 5,878    | R -  | R            | -          |
| 34.01/36.01                             | (c) Crushed stone base constructed from type G2 material obtained from commercial sources and compacted to 85% of bulk relative density (150mm) | m <sup>3</sup>               | 5,878    | R -  | R            | -          |
|   | (i) 98% of modified AASHTO density  | m <sup>3</sup>               | 1,080    | R -  | R            | -          |
|   | (g) 150 mm Gravel Shoulders compacted to:   |                              |          |      |              |            |
|   | (i) 93% of modified AASHTO density  | m <sup>3</sup>               | 187      | R -  | R            | -          |
| 34.02                                   | Extra over 34.01 for excavating material in:  |                              |          |      |              |            |
|   | (a) intermediate excavation   | m <sup>3</sup>               | 1,138    | R -  | R            | -          |
|   | (b) Hard Excavation   | m <sup>3</sup>               | 284      | R -  | R            | -          |
| 34.03                                   | Pavement layers constructed from gravel obtained from existing pavement layers:   |                              |          |      |              |            |
|   | (a) (i) Gravel selected layer compacted to 93% of MOD AASHTO density, using non-cemented material 150 mm  | m <sup>3</sup>               | 2,988    | R -  | R            | -          |
| 34/16.02                                | Overhaul of material for a distance exceeding 1,0 km  | m <sup>3</sup> <sub>km</sub> | 61,551   | R -  | R            | -          |
| <b>TOTAL CARRIED FORWARD TO SUMMARY</b> |   |                              |          |      |              | <b>R -</b> |

| 3500 STABILIZATION |   | SECTION 3500   |          |      |           |
|--------------------|---|----------------|----------|------|-----------|
| Item No.           | Description   | Unit           | Quantity | Rate | Amount    |
| 35.01              | ( a ) E/o for unstabilized compacted layers:<br>Crushed stone Base layer 150mm thick  | m <sup>3</sup> | 294      | R -  | R -       |
|                    | ( b ) E/o for unstabilized compacted layers<br>for : Gravel Subbase layer 150mm thick | m <sup>3</sup> | 5,878    | R -  | R -       |
| 35.02              | ( a ) Ordinary Portland Cement  | ton            | 388      | R -  | R -       |
|                    | ( b ) Portland Blast Furnace Cement   | ton            | Rate     | R -  | Rate Only |
|                    | ( d ) Ground Granulated blast-furnace slag  | ton            | Rate     | R -  | Rate Only |
| 35.04              | Provision and application of water for<br>curing                                      | kl             | 3,780    | R -  | R -       |
|                    |   |                |          |      | R -       |

**4100 PRIME COAT****SECTION 4100**

| Item No.                                | Description                                   | Unit           | Quantity | Rate | Amount     |
|---|---|----------------|----------|------|------------|
| 41.01                                   | ( a ) Prime Coat 3/12p or RTL 3/12P tar prime | litre          |          | R -  | Rate Only  |
| 41.01                                   | ( b ) MC 30 Cut back bitumen                  | litre          | 64,000   | R -  | R -        |
| 41.02                                   | Aggregate for blinding                        | m <sup>2</sup> | 6,400    | R -  | R -        |
| <b>TOTAL CARRIED FORWARD TO SUMMARY</b> |   |                |          |      | <b>R -</b> |

**4200 ASPHALT BASE AND SURFACING****SECTION 4200**

| Item No.                                | Description   | Unit           | Quantity | Rate | Amount     |
|---|---|----------------|----------|------|------------|
| 42.02                                   | Asphalt Surfacing ( 30mm thickness)                         |                |          |      |            |
|   | ( a) Continuously graded ( medium 13.2mm stone in all areas | m <sup>2</sup> | 200      | R -  | R -        |
| 42.04                                   | Tack coat of 30% stable-grade emulsion                      | l              | 82       | R -  | R -        |
| 42/7300                                 | <b>CONCRETE BLOCK PAVING</b>                                |                |          |      |            |
| <b>TOTAL CARRIED FORWARD TO SUMMARY</b> |   |                |          |      | <b>R -</b> |

**5100 EROSION CONTROL****SECTION 5100**

| Item No.                         | Description   | Unit           | Quantity | Rate |   | Amount    |
|----------------------------------|---|----------------|----------|------|---|-----------|
| 51.01                            | ( a ) ( i ) Pitching Method 1   | m <sup>2</sup> | 320      | R    | - | R -       |
| 51.01                            | ( i ) Pitching method 2   | m <sup>2</sup> | 2        | R    | - | Rate Only |
| 51.01                            | ( b ) Grouted Stone Pitching  | m <sup>2</sup> | 260      | R    | - | R -       |
| 51.05                            | Concrete edge beams and foundation trenches with class 25/19 concrete | m <sup>3</sup> | 30       | R    | - | R -       |
| TOTAL CARRIED FORWARD TO SUMMARY |   |                |          |      |   | R -       |

| 5200 GABIONS                     |   | SECTION 5200   |          |      |        |
|----------------------------------|---|----------------|----------|------|--------|
| Item No.                         | Description   | Unit           | Quantity | Rate | Amount |
| 52.01                            | Foundation trench excavation and backfilling  |                |          |      |        |
| 52.01                            | ( a ) In solid rock ( material which requires blasting)                                       | m <sup>3</sup> | 50       | R -  | R -    |
| 52.01                            | ( b ) Trench Excavation in all other classes  | m <sup>3</sup> | 30       | R -  | R -    |
| 52.02                            | Surface Preparation for bedding the gabions   | m <sup>2</sup> | 20       | R -  | R -    |
| 52.03                            | ( a ) Galvanized Gabion boxes   |                |          |      |        |
| 52.03                            | ( i ) 2,0 long by 1,0m wide by 0,3 m thick<br>80mm x100mm by 2.7mm nominal internal wire mesh | m <sup>3</sup> | 30       | R -  | R -    |
| 52.04                            | ( a ) Bidum/Kaymat u34 or similar   | m <sup>2</sup> | 60       | R -  | R -    |
| TOTAL CARRIED FORWARD TO SUMMARY |   |                |          |      | R -    |



**5300 GUIDE BLOCKS****SECTION 5300**

| Item No.                         | Description  | Unit | Quantity | Rate | Amount |
|----------------------------------|--------------|------|----------|------|--------|
| 53.01                            | Guide Blocks | No   | 6        | R -  | R -    |
| TOTAL CARRIED FORWARD TO SUMMARY |              |      |          |      | R 0.00 |

**5400 GUARDRAILS****SECTION 5400**

| Item No.                         | Description                           | Unit | Quantity | Rate | Amount |
|----------------------------------|---------------------------------------|------|----------|------|--------|
| 53\54.01                         | Guardrails on timber posts Galvanised | m    | 80       | R -  | R -    |
| 53/54.04e                        | End Treatment Single Guardrails       | no   | 2        | R -  | R -    |
| 53/54.05                         | Extra Timber Posts                    | No   | 10       | R -  | R -    |
| 53/54.06                         | New Reflective Plates                 | no   | 20       | R -  | R -    |
| TOTAL CARRIED FORWARD TO SUMMARY |                                       |      |          |      | R 0.00 |

| 5600 ROAD SIGNS       |   | SECTION 5600   |          |      |        |
|-----------------------|---|----------------|----------|------|--------|
| Item No.              | Description   | Unit           | Quantity | Rate | Amount |
| 56.01                 | © Roadsign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or in class 1 retroreflective material, where the sign board is constructed from:<br><br>Prepainted galvanised steel plate ( chromadek 1,6mm thick or approved equivalent) |                |          |      |        |
| 56.01                 | ( i) Area not exceeding 2m <sup>2</sup>   | m <sup>2</sup> | 30       | R -  | R -    |
| 56.01                 | ( ii) Area exceeding 2m <sup>2</sup> but not 10m <sup>2</sup>   | m <sup>2</sup> | 18       | R -  | R -    |
| 56.02                 | ( iii) Area exceeding 10m <sup>2</sup>  | m <sup>2</sup> | 84       | R -  | R -    |
| 56.01                 | ( f) Danger Plates 600 x 150mm  | No             | 32       | R -  | R -    |
| 56.02                 | ( a) ( iii) Eo B56.01 for using Retro-reflective material Class 1   | m <sup>2</sup> | 112      | R -  | R -    |
| 56.02                 | ( b) ( i) Eo Letters, symbol, numbers, arrows, emblems and borders of retro-reflective material: Class 3  | m <sup>2</sup> | 45       | R -  | R -    |
| 56.03                 | ( b) 150mm Timber Supports  | m              | 125      | R -  | R -    |
| 56.05                 | Exc and backfill to road signs  | m <sup>3</sup> | 80       | R -  | R -    |
| 56.06                 | Eo for soil cement backfill   | m <sup>3</sup> | 80       | R -  | R -    |
| 56.07                 | EO for rock excavation  | m <sup>3</sup> | 80       | R -  | R -    |
| TOTAL CARRIED FORWARD |   |                |          | R    | -      |

| 5700 ROAD MARKING                |  | SECTION 5700   |          |      |           |
|----------------------------------|--|----------------|----------|------|-----------|
| Item No.                         | Description  | Unit           | Quantity | Rate | Amount    |
| 57.01                            | ( g ) Kerb Markings  | m <sup>2</sup> | 20       | R -  | R -       |
| 57.02                            | ( a ) ( l ) 100mm White Reflective Lines   | km             | 7        | R -  | R -       |
| 57.02b                           | ( b ) ( l ) 150mm Yellow Line reflective   | km             | 16       | R -  | R -       |
| 57.04                            | ( a ) Variation White Paint  | l              | 30       | R -  | R -       |
| 57.04                            | ( b ) Variations Yellow Paint  | l              | 230      | R -  | R -       |
| 57.04                            | ( d ) Variations Retroreflective Beads   | kg             | 480      | R -  | Rate Only |
| 57.06                            | Setting out and Premarking<br>( excluding traffic island markings,<br>lettering and symbols) | Sum            | 1        | R -  | R -       |
| TOTAL CARRIED FORWARD TO SUMMARY |  |                |          |      | R -       |

**5900 FINISHING THE ROAD RESERVE AND TREATING OLD ROADS****SECTION 5900**

| Item No.                         | Description                     | Unit | Quantity | Rate | Amount |
|----------------------------------|---------------------------------|------|----------|------|--------|
| 59.01                            | ( b ) Finish Single Carriageway | km   | 7        | R -  | R -    |
| 59.02                            | Treatment of old roads          | km   | 12       | R -  | R -    |
| TOTAL CARRIED FORWARD TO SUMMARY |                                 |      |          |      | R -    |

**8100 TESTING MATERIAL AND WORKMANSHIP****SECTION 8100**

| Item No.                                | Description                   | Unit  | Quantity | Rate         | Amount       |
|---|-------------------------------|-------|----------|--------------|--------------|
| 81.02                                   | ( a) Cost of Testing          | PCsum | 1        | R 450,000.00 | R 450,000.00 |
| 81.02                                   | ( b) Handling cost and profit | %     | 450,000  | R -          | R -          |
| <b>TOTAL CARRIED FORWARD TO SUMMARY</b> |                               |       |          |              | <b>R -</b>   |

**SUMMARY TOTALS**

|                  |          |          |
|------------------|----------|----------|
| SECTION 1200     | R        | -        |
| SECTION 1300     | R        | -        |
| SECTION 1400     | R        | -        |
| SECTION 1500     | R        | -        |
| SECTION 1700     | R        | -        |
| SECTION 2100     | R        | -        |
| SECTION 2200     | R        | -        |
| SECTION 2300     | R        | -        |
| SECTION 3300     | R        | -        |
| SECTION 3400     | R        | -        |
| SECTION 3500     | R        | -        |
| SECTION 4100     | R        | -        |
| SECTION 4200     | R        | -        |
| SECTION 5100     | R        | -        |
| SECTION 5200     | R        | -        |
| SECTION 5300     | R        | -        |
| SECTION 5400     | R        | -        |
| SECTION 5600     | R        | -        |
| SECTION 5700     | R        | -        |
| SECTION 5900     | R        | -        |
| SECTION 8100     | R        | -        |
|                  |          |          |
|                  |          |          |
| <b>SUB TOTAL</b> | <b>R</b> | <b>-</b> |

|                          |          |          |
|--------------------------|----------|----------|
| <b>10% Contingencies</b> | <b>R</b> | <b>-</b> |
| <b>6% CPA</b>            | <b>R</b> | <b>-</b> |
| <b>Sub Total</b>         | <b>R</b> | <b>-</b> |
| <b>15% VAT</b>           | <b>R</b> | <b>-</b> |
| <b>GRAND TOTAL</b>       | <b>R</b> | <b>-</b> |