

| Item                             | LIC | Description   | Unit      | Qty      | Rate      | Amount    |
|----------------------------------|-----|---|-----------|----------|-----------|-----------|
| B12.01                           |     | <b>GENERAL REQUIREMENTS AND PROVISIONS</b><br><br>Excavation:<br>Excavating material within the following depth ranges below ground level for the exposing of/or searching for services:<br>a) 0m to 2m<br>i) Soft excavation<br>ii) Hard excavation<br><br>b) Extra over item B12.01 (a) for excavation by means of hand tools such as picks, crowbars and pneumatic tools or mechanical breakers in close vicinity of services where no machine excavation is permitted.<br>i) Soft excavation<br>ii) Hard excavation | m³        |          | Rate Only |           |
| B12.02                           |     | Backfilling:<br><br>a) Using the excavated material<br><br>b) Using imported selected material  | m³        |          | Rate Only |           |
| B12.03                           |     | Relocation and protection of existing services:<br>a) Relocation, including lowering or raising,<br><br>b) Handling cost and profit in respect of sub-item B12.03(a)  | Prov. Sum | 1.00     | 50,000.00 | 50,000.00 |
| B12.04                           |     | Provision of Community Liaison Officer:<br><br>a) Provisional sum for the payment of the Community Liaison Officer<br>b) Handling costs and profit in respect of sub-item B12.04(a)   | %         | 9,000.00 |           |           |
| B12.05                           |     | Provision of Project Steering Committee:<br><br>a) Provisional sum for the payment of the PSC<br>b) Handling costs and profit in respect of sub-item B12.05(a)  | Prov. Sum | 7,200.00 | 7,200.00  | 7,200.00  |
| B12.06                           |     | Provision for Environmental Management Plan<br>(a) Provisional sum for Compiling Environmental Management plan<br><br>(c) Handling cost and profit in respect of sub-items B12.06(a)  | Prov Sum  | 1        | 15000     | 15,000.00 |
| Total Carried Forward To Summary |     |   |           |          |           |           |

| Item                             | LIC | Description  | Unit     | Qty  | Rate | Amount |
|----------------------------------|-----|--|----------|------|------|--------|
| B13.01                           |     | <b>CONTRACTORS ESTABLISHMENT ON SITE AND</b>           |          |      |      |        |
|                                  |     | The contractors general obligations :                  |          |      |      |        |
|                                  |     | (a) Fixed obligations                                  | Lump Sum | 1.00 |      |        |
|                                  |     | (b) Value-related obligations                          | Lump Sum | 1.00 |      |        |
|                                  |     | (c) Time-related obligations                           | Month    | 2.00 |      |        |
|                                  |     | The combined total tendered for sub-items (a), (b) and |          |      |      |        |
| Total Carried Forward To Summary |     |  |          |      |      |        |

| Item                  | LIC | Description  | Unit      | Qty   | Rate      | Amount    |
|-----------------------|-----|--|-----------|-------|-----------|-----------|
| B14.01                |     | <b>HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL</b><br><b>Office and laboratory accommodation:</b>  |           |       |           |           |
|                       |     | The provision of accommodation as specified, including roof, external and internal walls, windows complete with glazing, doors with locks and fittings burglar proofing, painting, floors, fencing, the provision of a 220/250 volt electrical etc., scheduled elsewhere : drawings and specifications, except for items stores, complete, in accordance with the water and sewerage installation, and installation with wiring, switchboards, |           |       |           |           |
|                       |     | (a) Offices (interior floor space only)  | m²        | 24.00 |           |           |
|                       |     | (e) Ablution units   | m²        | 4.00  |           |           |
| B14.02                |     | <b>Office and laboratory furniture:</b><br><b>(a) Chairs</b>   | No.       | 20    |           |           |
|                       |     | (d) Desks, complete with drawers and locks   | No.       | 1     |           |           |
|                       |     | (f) Conference tables  | No.       |       |           |           |
| B14.03                |     | Office and laboratory fittings, installations and equipment:   |           |       |           |           |
|                       |     | (a) Items measured by number :   |           |       |           |           |
|                       |     | <b>(x) Fire extinguishers, 9,0kg, all-purpose dry powder type, complete, mounted on wall with brackets</b>   | No.       | 1     |           |           |
|                       |     | <b>(xiv) General - purpose steel cupboards with shelves</b>  | No.       | 1     |           |           |
|                       |     | (xx) Measuring wheel   | No.       | 1     |           |           |
|                       |     | (xxi) Dumping level, Tripot and 5m levelling staff (1cm graduations with bubble)   | Prov. Sum | 1.00  | 15,000.00 | 15,000.00 |
|                       |     | (xxii) Intel Core i7-3610 QM computer with min. 500 GB hard drive, cd & dvd-rom, keyboard, mouse, colour monitor etc. and Sumsung CLP-365 colour printer   | Prov. Sum | 1.00  | 15,000.00 | 15,000.00 |
|                       |     | (xxiii) Colour printer and copier  | Prov. Sum | 1.00  | 5,000.00  | 5,000.00  |
| B14.03                |     | (b) Prime-cost items and items paid for in a lump sum:   |           |       |           |           |
|                       |     | (ix) Provision of cellular telephones:   |           |       |           |           |
|                       |     | (2) Cost of calls and other charges  | Prov. Sum | 1     | 10000     | 10,000.00 |
|                       |     | (3) Handling cost and profit in respect of sub-item B14.03 (b)(ix)(2) above  | %         | 43000 |           |           |
|                       |     | (c) Items measured by area:  |           |       |           |           |
|                       |     | (viii) Notice boards as per final tender drawing   | m²        | 4.20  |           |           |
|                       |     | Car ports  |           |       |           |           |
|                       |     | Car ports, 3.0m wide and 2,5m high, at offices   | No.       | 1.00  |           |           |
| Total Carried Forward |     |  |           |       |           |           |

| Item                             | LIC | Description   | Unit     | Qty       | Rate  | Amount    |
|----------------------------------|-----|---|----------|-----------|-------|-----------|
| Brought Forward                  |     |   |          |           |       |           |
| B14.07                           |     | <b>Rented, hotel and other accommodation</b>            |          |           |       |           |
|                                  |     | (a) Provisional sum for providing rented housing, hotel | Prov.Sum | 1.00      | 14000 | 14,000.00 |
|                                  |     | (b) Handling costs and profit in respect of sub-item    | %        | 14,000.00 |       |           |
| 14.08                            |     | <b>Services:</b>  |          |           |       |           |
|                                  |     | (a) Services at offices:                                |          |           |       |           |
|                                  |     | (i) Fixed costs   | Lump Sum | 1.00      |       |           |
|                                  |     | (ii) Running costs                                      | Month    | 3.00      |       |           |
| Total Carried Forward To Summary |     |   |          |           |       |           |

| Item                             | LIC | Description  | Unit     | Qty   | Rate | Amount |
|----------------------------------|-----|--|----------|-------|------|--------|
|                                  |     | <b>ACCOMMODATION OF TRAFFIC</b>  |          |       |      |        |
| B15.01                           |     | Accommodating traffic and maintaining temporary deviations:  | km       | 0.46  |      |        |
| 15.02                            |     | Earthworks for temporary deviations:   |          |       |      |        |
|                                  |     | (a) Shaping of temporary deviations  | km       | 0.4   |      |        |
|                                  |     | (b) Cut and borrow to fill   | m³       |       |      |        |
|                                  |     | (c) Cut to spoil   | m³       |       |      |        |
| B15.03                           | LI  | Temporary traffic-control facilities:  |          |       |      |        |
|                                  |     | (a) Flagmen  | man-days | 44    |      |        |
|                                  |     | (b) Portable STOP and GO-RY signs  | No.      |       |      |        |
|                                  |     | (d) Amber flicker  | No.      |       |      |        |
|                                  |     | (e ) Road signs R- and TR -series (TR201 RB)   | No       | 3     |      |        |
|                                  |     | (f) Road signs, TW series (TW407, TW336,TW337)   | No.      | 10.00 |      |        |
| 15.04                            |     | Relocation of traffic-control facilities   | Lump Sum | 1.00  |      |        |
| 15.05                            |     | Gravelling and repair of temporary deviations and existing gravel shoulders used as temporary deviations:                      |          |       |      |        |
|                                  |     | (a) Temporary deviations   | m³       | 20.00 |      |        |
| 15.06                            |     | Watering of temporary deviations   | kl       | 125   |      |        |
| 15.07                            |     | Blading by road grader of:   |          |       |      |        |
|                                  |     | (a) Temporary deviations   | km-pass  | 15.00 |      |        |
| B15.15                           |     | Rotating beacons for use by the Engineer (Type Lucas 12V 55W AE 20087719, or similar)  | No       | 1.00  |      |        |
| B15/22.01                        |     | Excavation:  |          |       |      |        |
|                                  |     | (a) Excavating soft material situated within the following depth ranges below the surface level:                               |          |       |      |        |
|                                  |     | (i) 0m up to 1,5m  | m³       |       |      |        |
| B15/22.02                        |     | Backfilling :  |          |       |      |        |
|                                  |     | (a) Using the excavated material   | m³       |       |      |        |
| B15/16.01                        |     | Overhaul on material hauled in excess of a free-haul distance of 0.5km, for haul up to or through 1.0 km (restricted overhaul) | m³       |       |      |        |
| B15/16.02                        |     | Overhaul on material hauled in excess of 1,0 km (ordinary overhaul)  | m³km     |       |      |        |
| Total Carried Forward To Summary |     |  |          |       |      |        |

| Item                             | LIC | Description  | Unit | Qty  | Rate | Amount    |
|----------------------------------|-----|--|------|------|------|-----------|
|                                  |     | <b>CLEARING AND GRUBBING</b>                         |      |      |      |           |
| B17.01                           |     | Clearing and grubbing                                | ha   | 0.24 |      |           |
| B17.02                           |     | Removal and grubbing of large trees and tree stumps: |      |      |      |           |
|                                  |     | (a) Girth exceeding 1m up to and including 2m        | No   |      |      | Rate Only |
|                                  |     | (b) Girth exceeding 2m up to and including 3m        | No   |      |      | Rate Only |
|                                  |     | (c) Girth exceeding 3m up to and including 4m        | No   |      |      | Rate Only |
| Total Carried Forward To Summary |     |  |      |      |      |           |

| Item                             | LIC | Description                        | Unit | Qty   | Rate | Amount    |
|----------------------------------|-----|------------------------------------|------|-------|------|-----------|
|                                  |     | <b>DAYWORKS</b>                    |      |       |      |           |
| B18.01                           |     | Labourers:                         |      |       |      |           |
|                                  |     | (i) Unskilled                      | hour | 15.00 |      | Rate Only |
|                                  |     | (ii) Semi-skilled                  | hour | 10.00 |      | Rate Only |
|                                  |     | (iii) Skilled                      | hour | 5.00  |      | Rate Only |
| B18.02                           |     | Foreman                            | hour | 5.00  |      | Rate Only |
| B18.03                           |     | Tipper trucks:                     |      |       |      |           |
|                                  |     | (i) 3 - 5 ton                      | hour | 5.00  |      | Rate Only |
|                                  |     | (ii) 5,1 - 10 ton                  | hour | 5.00  |      | Rate Only |
| B18.04                           |     | Loader (0,5m³)                     | hour | 5.00  |      | Rate Only |
| B18.05                           |     | Grader (CAT 140G or similar)       | hour | 5.00  |      | Rate Only |
| B18.06                           |     | LDV                                | hour | 10.00 |      | Rate Only |
| B18.07                           |     | Compaction Rollers:                |      |       |      |           |
|                                  |     | (i) Vibrator roller                | hour | 5.00  |      | Rate Only |
|                                  |     | (ii) Tamping roller                | hour | 5.00  |      | Rate Only |
|                                  |     | (iii) Grid roller                  | hour | 5.00  |      | Rate Only |
| B18.08                           |     | Hand controlled compactors:        |      |       |      |           |
|                                  |     | (i) Pedestrian roller (Bomag BW90) | hour | 5.00  |      | Rate Only |
|                                  |     | (ii) Vibratory plate               | hour | 5.00  |      | Rate Only |
|                                  |     | (iii) Rammers                      | hour | 5.00  |      | Rate Only |
| B18.09                           |     | Water truck (min. 10 000 l)        | hour | 5.00  |      | Rate Only |
| B18.10                           |     | Dozer (D7 or similar)              | hour | 5.00  |      | Rate Only |
| B18.11                           |     | Tracked Excavator (92kw)           | hour | 5.00  |      | Rate Only |
| Total Carried Forward To Summary |     |                                    |      |       |      |           |

| Item                             | LIC | Description   | Unit                             | Qty      | Rate | Amount |
|----------------------------------|-----|---|----------------------------------|----------|------|--------|
| B21.01                           |     | <b>DRAINS</b><br><b>Excavation for open drains</b><br>Excavation:<br>Excavating material within the following depth ranges below ground level for the exposing of/or searching for services:<br>a) 0m to 1,5m<br>i) Soft excavation<br>ii) Hard excavation          | m <sup>3</sup><br>m <sup>3</sup> | 20<br>80 |      |        |
| B21.03                           |     | Excavation for sub-soil drainage systems<br>Excavation:<br>Excavating material within the following depth ranges below ground level for the exposing of/or searching for services:<br>a) 0m to 1,5m<br>i) Soft excavation<br>ii) Hard excavation                    | m <sup>3</sup><br>m <sup>3</sup> |          |      |        |
| B21.04                           |     | Impermeable backfilling to subsoil drainage systems:<br>a) Layerworks including carefully stockpiling of material, including all necessary accommodation of traffic and bypasses, complete:<br>(i) Gravel shoulders 150mm thick compacted to 93% mod AASHTO density | m <sup>3</sup>                   |          |      |        |
| B21.06                           |     | Natural permeable material in subsoil drainage systems:<br>(a) 19mm Crushed stone obtained from approved sources on site<br>(b) 19mm Crushed stone obtained from commercial   | m <sup>3</sup><br>m <sup>3</sup> |          |      |        |
| B21.08                           |     | Pipes in subsoil drainage systems:<br>Supply, Lay, Bed and test Kaytech subsoil pipes complete:<br>(a) 110 mm Diameter<br>(b) 160 mm Diameter   | m<br>m                           |          |      |        |
| 21.1                             |     | Synthetic-fibre filter fabric   | m2                               |          |      |        |
| Total Carried Forward To Summary |     |   |                                  |          |      |        |

| Item                             | LIC | Description  | Unit           | Qty    | Rate   | Amount     |
|----------------------------------|-----|--|----------------|--------|--------|------------|
| B23.01                           |     | <b>CONCRETE KERBING, CONCRETE</b>  |                |        |        |            |
|                                  |     | Concrete kerbing:  |                |        |        |            |
|                                  | LI  | (a) Precast concrete kerbing   |                |        |        |            |
|                                  | LI  | (i) Fig.3  | m              | 10     |        | Rate Only  |
|                                  |     | (i) Fig.8c   | m              | 150.00 |        | Rate Only  |
| B23.03                           |     | Concrete chutes (typical designs):   |                |        |        |            |
|                                  | LI  | (b) Supply and install pre-fabricated concrete chutes as detailed on dwg. 2/26 | m              |        |        | Rate Only  |
| B23.08                           |     | <b>Concrete lining for open drains:</b>  |                |        |        |            |
|                                  |     | a) Cast on concrete lining for V-drain (class 25/19)                           | m <sup>3</sup> | 45.00  |        |            |
| B22                              |     | Welded Mesh wire (ref,193)   | m <sup>2</sup> | 30     |        |            |
| B23                              |     | 25 Mpa Pre cast concrete slab (3m x 2,5m x 200mm thick)                        | m <sup>3</sup> |        |        | Rate Only  |
| B23                              |     | <b>Bridge Repairs</b>  |                |        |        |            |
|                                  |     | (a) Replacing of Barriers with new F-Type Barriers                             | m              | 42     |        |            |
|                                  |     | (b) Install new expansion joints   | m              | 18     |        |            |
|                                  |     | (c.) Repair scour damage and erosion   | Prov Sum       | 1      | 100000 | 100,000.00 |
| Total Carried Forward To Summary |     |  |                |        |        |            |

| Item                             | LIC | Description                        | Unit     | Qty    | Rate  | Amount |
|----------------------------------|-----|------------------------------------|----------|--------|-------|--------|
| B31.01                           |     | <b>BORROW MATERIALS</b>            |          |        |       |        |
|                                  |     | Excess overburden:                 |          |        |       |        |
|                                  |     | (a) Depth up to and including 0,5m | m³       | 200.00 |       |        |
| B31.03                           |     | Finishing-off borrow areas in:     |          |        |       |        |
|                                  |     | (b) Intermediate material          | ha       | 0.06   |       |        |
|                                  |     | (c) Soft material                  | ha       | 0.06   |       |        |
|                                  |     | Compensation to Landowners         | Prov Sum | 1      | 10000 | 10000  |
| Total Carried Forward To Summary |     |                                    |          |        |       |        |

| Item                  | LIC | Description  | Unit | Qty                        | Rate | Amount   |
|-----------------------|-----|--|------|----------------------------|------|--|
| B33.01                |     | <b>MASS EARTHWORKS</b><br>Cut and borrow to fill, including free-haul up to 0,5km:<br>(a) Material in compacted layer thicknesses of 200<br>(ii) Compacted to 90% of modified AASHTO<br>(e) Pioneer layer (as specified in sub clause 3307(c)) | m³   |                            |      |  |
| B33.03                |     | Extra over item B33.01 for excavating and breaking<br>(a) Intermediate excavation<br>(b) Hard excavation<br>(c) Boulder excavation Class A<br>(d) Boulder excavation Class B   | m³   |                            |      | Rate Only<br>Rate Only<br>Rate Only<br>Rate Only |
| B33.04                |     | Cut to spoil, including free-haul up to 0,5km. Material<br>(a) Soft excavation<br>(b) Intermediate excavation<br>(c) Hard excavation   | m³   | 230.00<br>380.00<br>550.00 |      |  |
| B33.07                |     | Removal of unsuitable material (including free-haul of 0,5km):<br>(a) In layer thicknesses of 200 mm and less:<br>(i) Stable material  | m³   | 20                         |      |  |
| B33.10                |     | Roadbed preparation and the compaction of material:<br>(a) Compaction to 90% of modified AASHTO density  | m³   | 440                        |      |  |
| B33.12                |     | In situ treatment of roadbed:<br>(a) In situ treatment by ripping  | m³   | 440                        |      |  |
| Total Carried Forward |     |  |      |                            |      |  |

| Item                             | LIC | Description  | Unit | Qty    | Rate | Amount |
|----------------------------------|-----|--|------|--------|------|--------|
| Brought Forward                  |     |  |      |        |      |        |
| B33.13                           |     | Finishing-off cut and fill slopes, medians and       |      |        |      |        |
|                                  |     | (a) Cut slopes                                       | m²   | 90.00  |      |        |
|                                  |     | (b) Fill slopes                                      | m²   | 90.00  |      |        |
| B33/16.01                        |     | Overhaul on material hauled in excess of a free-haul | m³   | 440.00 |      |        |
| Total Carried Forward To Summary |     |  |      |        |      |        |

| Item                             | LIC | Description   | Unit                       | Qty    | Rate | Amount    |
|----------------------------------|-----|---|----------------------------|--------|------|-----------|
| B34.01                           |     | <b>PAVEMENT LAYERS OF GRAVEL MATERIAL</b><br><br>Pavement layers constructed from gravel taken from<br><br>(d) Gravel base (chemically stabilised material)<br><br>(i) 95% of modified AASHTO density (150 mm)  | m³                         | 462.00 |      |           |
|                                  |     | (d) Gravel sub-base (chemically unstabilised material) compacted to:<br><br>(i) 95% of modified AASHTO density (150 mm)   | m³                         | 528.00 |      |           |
| B34.02                           |     | Extra over item B34.01 for excavation of<br><br>material in:<br><br>(a) Intermediate excavation<br><br>(b) Hard material<br><br>Insitu reconstruction of existing pavement layers as:<br><br>(e) Gravel sub-base (chemically stabilised material)<br><br>(i) Non-cemented material 150 mm thick | m³<br><br>m³<br><br><br>m³ | 100.00 |      | Rate Only |
| B34.06                           |     | <b>Extra over item B34.04 for adding extra material as</b><br><br>(b) Gravel Subbase  | m³                         |        |      |           |
| B34.07                           |     | Extra over item 34.04 for material temporarily blading to windrow   | m³                         |        |      |           |
| B34/16.02                        |     | Overhaul on material hauled in excess of 1,0km  | m³km                       | 404.00 |      |           |
| Total Carried Forward To Summary |     |   |                            |        |      |           |

| Item                             | LIC | Description   | Unit           | Qty    | Rate | Amount    |
|----------------------------------|-----|---|----------------|--------|------|-----------|
|                                  |     | <b>STABILIZATION</b>                                |                |        |      |           |
| B35.01                           |     | Chemical stabilization extra over compacted layers: |                |        |      |           |
|                                  |     | (b) Subbase layer, 150mm thick                      | m <sup>3</sup> | 462.00 |      |           |
| B35.02                           |     | Chemical stabilizing agent:                         |                |        |      |           |
|                                  |     | (a) CEM II (B-L) cement                             | t              | 22.00  |      |           |
|                                  |     | (b) Portland blast-furnace cement                   | t              |        |      |           |
|                                  |     | (c) Slaked road lime                                | t              |        |      |           |
| B35.04                           |     | Provision and application of water for curing       | kl             |        |      | Rate Only |
| B35.05                           |     | Curing by covering with the subsequent layer        | m <sup>2</sup> |        |      | Rate Only |
| Total Carried Forward To Summary |     |   |                |        |      |           |

| Item                             | LIC | Description                                      | Unit              | Qty    | Rate | Amount    |
|----------------------------------|-----|--|-------------------|--------|------|-----------|
| B51.01                           | LI  | <b>PITCHING, STONEWORK AND PROTECTION</b>        |                   |        |      |           |
|                                  | LI  | Stone pitching:                                  |                   |        |      |           |
|                                  | LI  | (a) Plain pitching:                              |                   |        |      |           |
|                                  | LI  | (i) Method 1                                     | m <sup>2</sup>    |        |      |           |
|                                  | LI  | (b) Grouted stone pitching                       | m <sup>2</sup>    | 150.00 |      |           |
| B51.05                           | LI  | Concrete edge beams (Class 30/19)- 300mm x 200mm | m <sup>3</sup>    | 2.00   |      |           |
| B51.06                           | LI  | Provision of Approved Herbicide ant poison:      |                   |        |      |           |
|                                  |     | (a) Provision of materials                       | P C Sum           |        |      |           |
| B51.07                           | LI  | Foundation trenches:                             |                   |        |      |           |
|                                  | LI  | (a) Excavation for concrete edge beams           | m <sup>3</sup>    | 2.00   |      |           |
| B51/16.02                        | LI  | Overhaul on material hauled in excess of 1,0km   | m <sup>3</sup> km |        |      |           |
| B51.08                           | LI  | Speed hump supply and construct as per drawing   | No                |        |      | Rate Only |
| Total Carried Forward To Summary |     |  |                   |        |      | 0.00      |

| Item                             | LIC | Description  | Unit  | Qty  | Rate | Amount |
|----------------------------------|-----|--|-------|------|------|--------|
| B43.01                           | LI  | <b>DOUBLE SEALS</b>  |       |      |      |        |
|                                  | LI  | Double seals using:  |       |      |      |        |
|                                  |     | (c) 13.2mm and 6.7mm aggregate (Grade 1 aggregate):                  |       |      |      |        |
|                                  | LI  | (ii) Using B8 road grade bitumen or SE 1 binder in both applications | m²    | 2700 |      |        |
|                                  | LI  | Application of fog spray consisting of:                              |       |      |      |        |
|                                  | LI  | (a) 60% spray-grade emulsion (Cationic)                              | litre | 2700 |      |        |
| Total Carried Forward To Summary |     |  |       |      |      |        |

| Item                             | LIC | Description   | Unit                                 | Qty   | Rate | Amount    |
|----------------------------------|-----|---|--------------------------------------|-------|------|-----------|
| B56.01                           |     | <b>ROAD SIGNS</b><br>Road sign boards with painted or coloured semi-matt<br>(c) Pre-painted galvanized steel plate (chromadek or<br>(i) Area not exceeding 2m <sup>2</sup><br>(ii) Area exceeding 2m <sup>2</sup> but not exceeding 10m <sup>2</sup><br>(iii) Area exceeding 10m <sup>2</sup> | m <sup>2</sup><br><br>m <sup>2</sup> | 8.00  |      |           |
| B56.02                           |     | Extra over item 56.01 for using:<br>(a) Background of retro-reflective material:<br>(i) Class III   | m <sup>2</sup>                       | 8.00  |      |           |
| B56.03                           |     | Road sign supports (over-head road sign structures<br>(a) Steel tubing, 76 mm dia. D-shape, 2,0 mm wall thickness, galvanised<br>(b) Timber:<br>(i) 100 mm dia.<br>(ii) 150 mm dia.   | t<br><br>m<br>m                      | 24.00 |      | Rate Only |
| B56.04                           |     | Kilometre posts (concrete 30/19) precast  | No                                   |       |      |           |
| B56.05                           |     | Excavating and backfilling for road sign supports (not  | m <sup>3</sup>                       |       |      |           |
| B56.06                           |     | Extra over item B56.05 for cement-treated soil backfill   | m <sup>3</sup>                       |       |      | Rate Only |
| B56.07                           |     | Extra over item B56.05 for rock excavation  | m <sup>3</sup>                       |       |      | Rate Only |
| B56.10                           |     | Danger plates at culverts/structures:<br>(a) Type A at stormwater culverts (150 mm x 600<br>(b) Type B at bridge structures (250mm x 1000mm)  | No<br>No                             | 8.00  |      |           |
| Total Carried Forward To Summary |     |   |                                      |       |      |           |

| Item                             | LIC | Description  | Unit | Qty   | Rate | Amount    |
|----------------------------------|-----|--|------|-------|------|-----------|
| B57.02                           |     | <b>ROAD MARKINGS</b>                                     |      |       |      |           |
|                                  | LI  | Retro-reflective road-marking paint:                     |      |       |      |           |
|                                  | LI  | (a) White lines (broken or unbroken):                    |      |       |      |           |
|                                  | LI  | (i) 100 mm wide  | km   | 0.42  |      |           |
|                                  | LI  | (ii) 150mm wide  | km   |       |      | Rate Only |
|                                  | LI  | (iii) 500 mm wide  | km   |       |      | Rate Only |
|                                  | LI  | (b) Yellow lines   |      |       |      |           |
|                                  | LI  | (i) 100 mm wide  | km   |       |      | Rate Only |
|                                  | LI  | (ii) 150 mm wide   | km   |       |      | Rate Only |
|                                  | LI  | (iii) 200 mm wide  | km   |       |      |           |
|                                  | LI  | (d) White lettering and symbols                          | m²   | 24.00 |      |           |
|                                  | LI  | (e) Yellow lettering and symbols                         | m²   |       |      | Rate Only |
|                                  | LI  | (f) Transverse lines, painted island and arrestor bed    | m²   |       |      | Rate Only |
|                                  | LI  | (g) Kerb markings ( any colour)                          | m²   |       |      |           |
| 57.04                            | LI  | Variations in rate of application:                       |      |       |      |           |
|                                  | LI  | (a) White paint  | l    |       |      | Rate Only |
|                                  | LI  | (b) Yellow paint   | l    |       |      | Rate Only |
|                                  | LI  | (d) Retro-reflective beads                               | kg   |       |      | Rate Only |
| B57.06                           | LI  | Setting out and pre-marking the lines (excluding traffic | km   | 0.42  |      |           |
| Total Carried Forward To Summary |     |  |      |       |      |           |

| Item                             | LIC | Description   | Unit | Qty  | Rate | Amount    |
|----------------------------------|-----|---|------|------|------|-----------|
| B59.01                           |     | <b>FINISHING THE ROAD AND ROAD RESERVE AND</b><br><br>Finishing the road and road reserve:<br><br>(b) Single carriageway road | km   | 0.42 |      |           |
| 59.02                            |     | Treatment of old roads and temporary deviations   | km   |      |      | Rate Only |
| Total Carried Forward To Summary |     |   |      |      |      |           |

| Item                             | LIC | Description   | Unit      | Qty  | Rate      | Amount    |
|----------------------------------|-----|---|-----------|------|-----------|-----------|
| 81.02                            |     | <b>TESTING MATERIALS AND WORKMANSHIP</b><br>Other special tests requested by the engineer | Prov. Sum | 1.00 | 10,000.00 | 10,000.00 |
| Total Carried Forward To Summary |     |   |           |      |           | 10,000.00 |

| Item                             | LIC | Description  | Unit     | Qty       | Rate      | Amount    |
|----------------------------------|-----|--|----------|-----------|-----------|-----------|
| E12.05                           |     | PROVISION OF STRUCTURED TRAINING                     |          |           |           |           |
|                                  |     | (a) Generic skills                                   | Prov Sum | 1.00      | 25,000.00 | 25,000.00 |
|                                  |     | (b) Entrepreneurial skills                           | Prov Sum | 1.00      | 25,000.00 | 25,000.00 |
|                                  |     | (c) Student in training                              | Prov Sum | 1.00      | 7000      | 7,000.00  |
|                                  |     | (d) Handling cost and profit in respect of sub-items | %        | 57,000.00 |           |           |
| Total Carried Forward To Summary |     |  |          |           |           |           |

| Item                             | LIC | Description   | Unit  | Qty  | Rate | Amount |
|----------------------------------|-----|---|-------|------|------|--------|
| C                                |     | <b>OCCUPATIONAL HEALTH AND SAFETY ACT</b>               |       |      |      |        |
| C.1                              |     | Contractor's initial obligations in respect of the      | L/SUM | 1.00 |      |        |
| C.2                              |     | Contractor's time related obligations in respect of the | Month | 2.00 |      |        |
| C.3                              |     | Submission of the Health and Safety File                | L/SUM | 1.00 |      |        |
| Total Carried Forward To Summary |     |   |       |      |      |        |

## SUMMARY OF SECTIONS

| Item                            | Description  | Amount<br>(Rand) |
|---------------------------------|--|------------------|
| SECTION 1200                    | GENERAL REQUIREMENTS AND PROVISIONS  |                  |
| SECTION 1300                    | CONTRACTORS ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS  |                  |
| SECTION 1400                    | HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL                              |                  |
| SECTION 1500                    | ACCOMMODATION OF TRAFFIC   |                  |
| SECTION 1700                    | CLEARING AND GRUBBING  |                  |
| SECTION 1800                    | DAYWORKS   |                  |
| SECTION 2100                    | DRAINS   |                  |
| SECTION 2300                    | CONCRETE KERBING, CONCRETE CHANNELLING OPEN CONCRETE CHUTES AND CONCRETE LININGS FOR OPEN DRAINS |                  |
| SECTION 3100                    | BORROW MATERIALS   |                  |
| SECTION 3300                    | MASS EARTHWORKS  |                  |
| SECTION 3400                    | PAVEMENT LAYERS OF GRAVEL MATERIAL   |                  |
| SECTION 3500                    | STABILIZATION  |                  |
| SECTION 4300                    | DOUBLE SEAL  |                  |
| SECTION 5100                    | PITCHING, STONWORK AND PROTECTION AGAINST EROSION  |                  |
| SECTION 5600                    | ROAD SIGNS   |                  |
| SECTION 5700                    | ROAD MARKINGS  |                  |
| SECTION 5900                    | FINISHING THE ROAD AND ROAD RESERVE AND TREATING OLD ROADS                                       |                  |
| SECTION 8100                    | TESTING MATERIALS AND WORKMANSHIP  | 10,000.00        |
| Sub-total 1                     |  |                  |
| SECTION E                       | PROVISION OF STRUCTURED TRAINING   |                  |
| SECTION C                       | OCCUPATIONAL HEALTH AND SAFETY ACT OBLIGATIONS   |                  |
| Sub-total 2                     |  |                  |
|                                 |  |                  |
| <b>TOTAL VALUE OF WORK DONE</b> |  |                  |