## COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)

TENDER NUMBER: MKHO 03/2023/24(12)

RE-GRAVELLING AND STORMWATER MANAGEMENT FOR 1900m X 5m AT WARD 13 MANGOSUTHU

**BILL OF QUANTITIES / PRICING SCHEDULE** 

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| ITEM             | DESCRIPTION  | UNIT                  | QUANTITY  |   | RATE      | AMOUNT (R) |
|------------------|--|-----------------------|-----------|---|-----------|------------|
| C1               | CHAPTER 1: GENERAL   |                       |           |   |           |            |
| C1.2             | GENERAL REQUIREMENTS AND PROVISIONS  |                       |           |   |           |            |
| C1.2.1           | Environmental Management   |                       |           |   |           |            |
| C1.2.1.1         | Monitoring of compliance with and reporting on the EMP   | PC Sum                |           | R | 7 500.00  | Rate Only  |
| C1.2.1.2         | Dedicated environmental officer  | PC Sum                |           | R | 15 000.00 | Rate Only  |
| C1.2.2           | Programming and Reporting  |                       |           |   |           |            |
| C1.2.2.1         | Submission of a Scheme 1 Programme   | lump sum              |           |   |           |            |
| C1.2.2.2         | Reviewing and updating a Scheme 1 Programme  | month                 | 3         |   |           |            |
| C1.2.2.6         | Preparation and submission of all information and reports specified in the Contract Documentation  | month                 | 3         |   |           |            |
| C1.2.3           | Routine road maintenance of existing public roads within the Site of the Works or other public roads outside the Site of the Works which are used as detours |                       |           |   |           |            |
| C1.2.3.9         | Grading of temporary gravel deviations and existing roads used as detours (Provisional)  | km                    | 2         |   |           |            |
| C1.2.3.10        | Watering of temporary gravel deviations and existing roads used as detours (Provisional)   | kl                    | 300       |   |           |            |
| C1.2.3.11        | Other road maintenance work ordered by the Engineer  | prov sum              |           |   |           | 25 000.00  |
| C1.2.3.12        | Handling cost, profit and all other charges in respect of item C1.2.3.11   | %                     | 25 000.00 |   |           |            |
| C1.2.4           | Stakeholder liaison  |                       |           |   |           |            |
| B.C1.2.4.1       | Provision of stakeholder liaison   | month                 | 3         |   |           |            |
| B.C1.2.4.2       | (a) Employment of a Project Liaison Officer (PLO)  | prov sum<br>(monthly) | 3         | R | 6 500.00  | 19 500.00  |
|                  | (b) Handling costs, profit and all other charges in respect of item P.S.C1.2.4.2 (a)   | %                     | 19 500.00 |   |           |            |
| P.S.C1.2.4.<br>3 | (a) Establishment and compensation of a Project<br>Liaison Committee (PLC)   | prov sum<br>(monthly) |           | R | 7 500.00  | Rate Only  |
|                  | (b) Handling costs, profit and all other charges in respect of item P.S.C1.2.4.3 (a)   |                       |           |   |           | Rate Only  |
| C1.2.5           | Safety   |                       |           |   |           |            |
| C1.2.5.1         | Health and safety plan   | lump sum              |           |   |           |            |
| C1.2.5.2         | Implementation of health and safety plan   | month                 | 3         |   |           |            |
| Total Carrie     | ed Forward   |                       |           |   |           |            |
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| ITEM             | DESCRIPTION   | UNIT     | QUANTITY  |   | RATE       | AMOUNT (R) |
|------------------|---|----------|-----------|---|------------|------------|
| Brought Fo       | rward   |          |           |   |            |            |
| C1.2.6           | Work adjacent to properties   |          |           |   |            |            |
| C1.2.6.1         | Survey of adjacent properties   | PC Sum   |           | R | 30 000.00  | Rate Only  |
| C1.2.6.2         | Preventive and/or mitigation measures   | PC Sum   |           | R | 30 000.00  | Rate Only  |
| C1.2.6.3         | Handling cost, profit and all other charges in respect of item C1.2.6.1 and C1.2.6.2  | %        | 60 000.00 |   |            | Rate Only  |
| B.C.1.2.10       | Accredited Training   |          |           |   |            |            |
| B.C.1.2.10.<br>1 | Accredited and approved training courses for selected local and other labourers including wages during training               |          |           |   | 150 000.00 | Rate Only  |
| B.C.1.2.10.<br>2 | Handling cost, profit and all other charges in respect of item B.C1.2.10.1  | %        |           |   |            | Rate Only  |
| B.C.1.2.11       | Other General Requirements and Provisions   |          |           |   |            |            |
| B.C.1.2.11.<br>1 | Other non-specified general requirements and provisions as will be directed by the Employer's Agent during execution of works | prov sum |           |   |            | 30 000.00  |
| B.C.1.2.11.<br>2 | Handling cost, profit and all other charges in respect of item B.C1.2.11.1  | %        | 30 000.00 |   |            |            |
| C1.2.8           | Dayworks  |          |           |   |            |            |
| C1.2.8.1         | Personnel   |          |           |   |            |            |
| (a)              | Unskilled labourer  | h        | 10        |   |            |            |
| (b)              | Semi-skilled labourer   | h        | 10        |   |            |            |
| (c)              | Skilled labourer  | h        | 10        |   |            |            |
| (d)              | Gang leader   | h        | 10        |   |            |            |
| (e)              | Foreman   | h        | 10        |   |            |            |
| (f)              | Skilled Artisan   | h        | 10        |   |            |            |
| C1.2.8.2         | Construction equipment (specify size and / or model number):  |          |           |   |            |            |
| (a)              | Motor grader  | h        | 10        |   |            |            |
| (b)              | Vibratory roller  | h        | 10        |   |            |            |
| (c)              | Pneumatic roller  | h        | 10        |   |            |            |
| (d)              | Front end loader  | h        | 10        |   |            |            |
| (e)              | Tractor loader backhoe  | h        | 10        |   |            |            |
| (f)              | Excavator   | h        | 10        |   |            |            |
| Total Carrie     | ed Forward  |          |           |   |            |            |

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| ITEM        | DESCRIPTION  | UNIT     | QUANTITY  | RATE | AMOUNT (R) |
|-------------|--|----------|-----------|------|------------|
| Brought Fo  | prward   |          |           |      |            |
| (g)         | Compressor   | h        | 10        |      |            |
| (h)         | Mechanical Broom   | h        | 10        |      |            |
| C1.2.8.3    | Vehicles (specify size):   |          |           |      |            |
| (a)         | Light delivery vehicle   | km       | 50        |      |            |
| (b)         | Flatbed truck  | km       | 50        |      |            |
| (c)         | Tipper truck   | km       | 50        |      |            |
| C1.2.8.4    | Materials:   |          |           |      |            |
|             | (a) Procurement of materials   | Prov sum |           |      | 30 000.00  |
|             | (b) Contractor's handling costs, profit and all other charges in respect of item C1.2.8.4(a) | %        | 30 000.00 |      |            |
|             | Charges in respect of item C1.2.6.4(a)   | 70       | 30 000.00 |      |            |
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| Total Carri | ed Forward to Summary  |          |           |      |            |

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| ITEM         | DESCRIPTION  | UNIT     | QUANTITY | RATE | AMOUNT (R) |
|--------------|--|----------|----------|------|------------|
| C1           | CHAPTER 1: GENERAL   |          |          |      |            |
| C1.3         | CONTRACTOR'S SITE ESTABLISHMENT AND<br>GENERAL OBLIGATIONS |          |          |      |            |
| C1.3.1       | The Contractor's general obligations:                      |          |          |      |            |
| C1.3.1.1     | Fixed obligations  | lump sum |          |      |            |
| C1.3.1.2     | Value-related obligations                                  | lump sum |          |      |            |
| C1.3.1.3     | Time-related obligations                                   | month    | 3        |      |            |
| B.C1.3.2     | Contract sign boards                                       | No.      | 1        |      |            |
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| Total Carrie | ed Forward to Summary                                      |          |          |      |            |

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| ITEM        | DESCRIPTION  | UNIT     | QUANTITY  | RATE | AMOUNT (R) |  |  |
|-------------|--|----------|-----------|------|------------|--|--|
| C1          | CHAPTER 1: GENERAL   |          |           |      |            |  |  |
| C1.4        | FACILITIES FOR THE ENGINEER  |          |           |      |            |  |  |
| C1.4.1      | Site accommodation:  |          |           |      |            |  |  |
| C1.4.1.1    | Office and conference room (2 No. Total)   | m²       | 36        |      |            |  |  |
| C1.4.1.6    | Car ports  | No.      | 2         |      |            |  |  |
| C1.4.1.7    | Ablution unit (equipped as specified)  | No       | 1         |      |            |  |  |
| C1.4.1.9    | Kitchen unit (equipped as specified)   | No       |           |      | Rate Only  |  |  |
| C1.4.1.13   | Rented housing paid for by the Contractor  | Prov sum |           |      | 20 000.00  |  |  |
| C1.4.1.14   | Contractor's handling costs, profit and all other charges in respect of item C1.4.1.13 | %        | 20 000.00 |      |            |  |  |
| C1.4.2      | Items measured by area:  |          |           |      |            |  |  |
| C1.4.2.1    | Shelving as specified, complete with brackets  | m²       |           |      | Rate Only  |  |  |
| C1.4.2.7    | Venetian blinds  | m²       | 5         |      |            |  |  |
| C1.4.2.8    | Notice boards  | m²       |           |      | Rate Only  |  |  |
| C1.4.2.9    | White boards   | m²       |           |      | Rate Only  |  |  |
| C1.4.3      | Items measured by number:  |          |           |      |            |  |  |
| C1.4.3.1    | Office swivel chair  | No       | 3         |      |            |  |  |
| C1.4.3.2    | Office chair   | No       | 15        |      |            |  |  |
| C1.4.3.5    | Office desk with 3 drawers (at least one lockable drawer)                              | No       |           |      | Rate Only  |  |  |
| C1.4.3.6    | Typist desk (L-shaped)   | No       |           |      | Rate Only  |  |  |
| C1.4.3.7    | Drawing table  | No       |           |      | Rate Only  |  |  |
| C1.4.3.8    | Conference table   | No       | 1         |      |            |  |  |
| C1.4.3.10   | Filing cabinet   | No       |           |      | Rate Only  |  |  |
| C1.4.3.11   | General purpose steel cabinet with shelves   | No       |           |      | Rate Only  |  |  |
| C1.4.3.12   | Wall mounted pivot plan filing system  | No       |           |      | Rate Only  |  |  |
| C1.4.3.13   | 220 / 250 volt power outlet plug point   | No       | 1         |      |            |  |  |
| C1.4.3.17   | 11 watt compact fluorescent bulb ceiling light   | No       | 2         |      |            |  |  |
| C1.4.3.18   | 7 watt LED bulb ceiling light  | No       |           |      | Rate Only  |  |  |
| C1.4.3.19   | Wash-hand basin  | No       | 1         |      |            |  |  |
| C1.4.3.23   | Fire extinguisher 9,0 kg, dry powder type  | No       |           |      | Rate Only  |  |  |
| Total Carri | otal Carried Forward   |          |           |      |            |  |  |

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| C1.4.3.28 UPS / Voltage stabiliser  C1.4.3.29 A3 / A4 colour printer, copier, scanner  No  1 Rate C  C1.4.3.31 Rain gauge  No  1 No  1 No  1 C  C1.4.3.36 Measuring wheel  No  1 No  | ITEM        | DESCRIPTION  | UNIT     | QUANTITY  | RATE  | AMOUNT (R) |
|--|-------------|--|----------|-----------|-------|------------|
| C1.4.3.27 Waste paper basket  C1.4.3.28 UPS / Voltage stabiliser  C1.4.3.29 A3 / A4 colour printer, copier, scanner  No  C1.4.3.31 Rain gauge  No  C1.4.3.36 Measuring wheel  C1.4.3.37 First aid kit  C1.4.3.38 Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe  C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration  PC sum  C1.4.4.2 Handling costs and profit in respect of item C1.4.4.1  C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff  C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5  C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7  C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9  C1.4.5 Services at site offices, laboratories and site accommodation:  Lump sum  Rate C1.4.5.1 Fixed costs   | Brought Fo  | prward   |          |           |       |            |
| C1.4.3.28 UPS / Voltage stabiliser  C1.4.3.29 A3 / A4 colour printer, copier, scanner  No  C1.4.3.31 Rain gauge  No  C1.4.3.36 Measuring wheel  C1.4.3.37 First aid kit  No  C1.4.3.38 Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe  C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration  C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration  C1.4.4.2 Handling costs and profit in respect of item C1.4.4.1 % 30 000.00  C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff  C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00  C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only  Rate C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only  Rate C1.4.5 Services at site offices, laboratories and site accommodation:  C1.4.5.1 Fixed costs  Lump sum  | C1.4.3.24   | Air-conditioning unit  | No       | 2         |       |            |
| C1.4.3.29 A3 / A4 colour printer, copier, scanner  C1.4.3.31 Rain gauge  No 1 C1.4.3.36 Measuring wheel  C1.4.3.37 First aid kit  C1.4.3.38 Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe  C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration  C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration  C1.4.4.2 Handling costs and profit in respect of item C1.4.4.1 % 30 000.00  C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff  C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00  C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only  C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only  C1.4.5 Services at site offices, laboratories and site accommodation:  C1.4.5.1 Fixed costs  C1.4.5.1 Fixed costs   | C1.4.3.27   | Waste paper basket   | No       |           |       | Rate Only  |
| C1.4.3.31 Rain gauge C1.4.3.36 Measuring wheel C1.4.3.37 First aid kit C1.4.3.38 Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe C1.4.4.1 Prime cost items: C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration C1.4.4.2 Handling costs and profit in respect of item C1.4.4.1 % 30 000.00 C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00 C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc. C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only C1.4.5 Services at site offices, laboratories and site accommodation: C1.4.5.1 Fixed costs  No 1  No  | C1.4.3.28   | UPS / Voltage stabiliser   | No       | 3         |       |            |
| C1.4.3.36 Measuring wheel C1.4.3.37 First aid kit C1.4.3.38 Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe C1.4.4 Prime cost items: C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration C1.4.4.2 Handling costs and profit in respect of item C1.4.4.1 % 30 000.00 C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00 C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, writing, switchboards, mains connections, meters, etc. C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only C1.4.5 Services at site offices, laboratories and site accommodation: C1.4.5.1 Fixed costs  No  1  No  1 | C1.4.3.29   | A3 / A4 colour printer, copier, scanner  | No       |           |       | Rate Only  |
| C1.4.3.37 First aid kit  C1.4.3.38 Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe  C1.4.4 Prime cost items:  C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration  C1.4.4.2 Handling costs and profit in respect of item C1.4.4.1 % 30 000.00  C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff  C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00  C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only  C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only  C1.4.5 Services at site offices, laboratories and site accommodation:  C1.4.5.1 Fixed costs  Lump sum   | C1.4.3.31   | Rain gauge   | No       | 1         |       |            |
| C1.4.3.38 Standpipe complete with 30 m of 19 mm dia. heavy duty hose pipe  C1.4.4 Prime cost items:  C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration  PC sum  30 000.00  C1.4.4.2 Handling costs and profit in respect of item C1.4.4.1 % 30 000.00  C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff  C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00  C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only  Rate C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only  Rate C1.4.5 Services at site offices, laboratories and site accommodation:  C1.4.5.1 Fixed costs  Lump sum   | C1.4.3.36   | Measuring wheel  | No       | 1         |       |            |
| duty hose pipe   | C1.4.3.37   | First aid kit  | No       | 1         |       |            |
| C1.4.4.1 Cell phones costs, including pro-rata rentals, for calls made in connection with contract administration  PC sum  30 000.00  C1.4.4.2 Handling costs and profit in respect of item C1.4.4.1 % 30 000.00  C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff  C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00  C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only  C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only  Rate C  C1.4.5 Services at site offices, laboratories and site accommodation:  C1.4.5.1 Fixed costs  Lump sum  | C1.4.3.38   |  | No       | 1         |       |            |
| made in connection with contract administration  PC sum  30 000.00  C1.4.4.2 Handling costs and profit in respect of item C1.4.4.1 % 30 000.00  C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff  C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00  C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only  The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only  Rate O  C1.4.5 Services at site offices, laboratories and site accommodation:  C1.4.5.1 Fixed costs   | C1.4.4      | Prime cost items:  |          |           |       |            |
| C1.4.4.5 The provision of internet connectivity and WiFi data for Engineer's site staff  C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00  C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only  C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only  C1.4.5.1 Fixed costs  Lump sum   | C1.4.4.1    | l :  | PC sum   |           |       | 30 000.00  |
| Engineer's site staff  C1.4.4.6 Handling costs and profit in respect of item C1.4.4.5 % 6 000.00  C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7 % Rate Only  C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9 % Rate Only  C1.4.5 Services at site offices, laboratories and site accommodation:  C1.4.5.1 Fixed costs  Lump sum  | C1.4.4.2    | Handling costs and profit in respect of item C1.4.4.1  | %        | 30 000.00 |       |            |
| C1.4.4.7 The provision of paper and ink for a combination colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7  | C1.4.4.5    | I  |          |           |       | 6 000.00   |
| colour printer / copier / scanner  C1.4.4.8 Handling costs and profit in respect of item C1.4.4.7  | C1.4.4.6    | Handling costs and profit in respect of item C1.4.4.5  | %        | 6 000.00  |       |            |
| C1.4.4.9 The provision of a complete 220 / 250 volt single phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9  | C1.4.4.7    |  | PC sum   |           | 7500  | Rate Only  |
| phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, meters, etc.  C1.4.4.10 Handling costs and profit in respect of item C1.4.4.9   | C1.4.4.8    | Handling costs and profit in respect of item C1.4.4.7  | %        | Rate Only |       | Rate Only  |
| C1.4.5 Services at site offices, laboratories and site accommodation:  C1.4.5.1 Fixed costs  Lump sum  | C1.4.4.9    | phase electrical power installation, including all poles, insulators, wiring, switchboards, mains connections, | PC sum   |           | 15000 | Rate Only  |
| accommodation: C1.4.5.1 Fixed costs Lump sum   | C1.4.4.10   | Handling costs and profit in respect of item C1.4.4.9  | %        | Rate Only |       | Rate Only  |
|  | C1.4.5      | · ·  |          |           |       |            |
| C1.4.5.2 Running costs month 3   | C1.4.5.1    | Fixed costs  | Lump sum |           |       |            |
|  | C1.4.5.2    | Running costs  | month    | 3         |       |            |
|  |             |  |          |           |       |            |
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|  |             |  |          |           |       |            |
|  |             |  |          |           |       |            |
| Total Carried Forward to Summary   | Total Carri | l<br>ed Forward to Summary   |          |           |       |            |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| ITEM        | DESCRIPTION   | UNIT                 | QUANTITY | RATE      | AMOUNT (R) |  |
|-------------|---|----------------------|----------|-----------|------------|--|
| C1          | CHAPTER 1: GENERAL  |                      |          |           |            |  |
| C1.5        | ACCOMMODATION OF TRAFFIC  |                      |          |           |            |  |
| C1.5.1      | Accommodation of pedestrian and non-motorised traffic   |                      |          |           |            |  |
| C1.5.1.1    | Accommodation of pedestrian and non-motorised traffic   | month                | 3        |           |            |  |
| C1.5.2      | Accommodation of vehicular traffic  | month                | 3        |           |            |  |
| C1.5.4      | Construction of temporary deviations  | Prov Sum<br>(per km) | 2        | 10 000.00 | 20 000.00  |  |
| C1.5.5      | Maintenance of temporary deviations:  | Prov Sum<br>(per km) | 2        | 5 000.00  | 10 000.00  |  |
| C1.5.6      | Removal of temporary deviations   | Prov Sum<br>(per km) |          | 10 000.00 | Rate Only  |  |
| C1.5.7      | Temporary traffic control facilities:   |                      |          |           |            |  |
| C1.5.7.1    | Delineators including mounting bases and ballast:   |                      |          |           |            |  |
|             | (a) Single sided, reversible left or right (800 x 200)  | No                   | 10       |           |            |  |
|             | (b) Double sided, reversible left or right (800 x 200)  | No                   | 20       |           |            |  |
| C1.5.7.2    | Traffic cones, minimum height 750 mm  | No                   | 10       |           |            |  |
| C1.5.7.3    | Flagmen   | man-shift            | 176      |           |            |  |
| C1.5.7.4    | Traffic controllers   | man-shift            | 176      |           |            |  |
| C1.5.7.7    | Traffic calming devices:  |                      |          |           |            |  |
|             | (a) 25 mm high x 100 mm wide asphalt rumble strips  | m                    |          |           | Rate Only  |  |
|             | (b) 50 mm high x 500 m wide asphalt rumble strips   | m                    |          |           | Rate Only  |  |
|             | (c) 150 mm high x 3 m wide asphalt speed control humps  | m                    |          |           | Rate Only  |  |
| C1.5.11     | Provision of safety equipment for visitors  |                      |          |           |            |  |
| C1.5.11.1   | Provision of reflective safety vests for visitors   | No                   | 10       |           |            |  |
| C1.5.11.2   | Provision of hard hats for visitors   | No                   |          |           | Rate Only  |  |
| C1.5.12     | Additional traffic accommodation facilities ordered by the Engineer:                                |                      |          |           |            |  |
| C1.5.12.1   | Provision of additional traffic accommodation facilities (to be instructed by the Employer's Agent) | Prov sum             |          |           | 15 000.00  |  |
| C1.5.12.2   | Handling cost, profit and all other charges in respect of item C1.5.12.1                            | %                    | 15000    |           |            |  |
| Total Carri | otal Carried Forward to Summary   |                      |          |           |            |  |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| C1.6.1 CLEARING AND GRUBBING C1.6.1.1 Clearing: C1.6.2.1 Clearing with machines and some hand labour where necessary C1.6.2.1 Grubbing: C1.6.2.2 Grubbing with machines and some hand labour where necessary C1.6.2.2 Grubbing with hand labour when labour enhancement work is specified or it is not practical to use a machine C1.6.3 Removal and grubbing of large trees and tree stumps: C1.6.3.1 Girth equal to or exceeding 1,0 m up to and including 2,0 m C1.6.3.2 Girth exceeding 2,0 m up to and including 3,0 m No Rate Only C1.6.3.3 Girth exceeding 3,0 m No Rate Only C1.6.3.3 Girth exceeding 3,0 m                 | ITEM         | DESCRIPTION                                     | UNIT     | QUANTITY | RATE | AMOUNT (R) |
|---|--------------|---|----------|----------|------|------------|
| Clearing: Clearing with machines and some hand labour where necessary Clearing with machines and some hand labour where necessary Clearing Grubbing with machines and some hand labour where necessary Clearing Grubbing with hand labour when labour enhancement work is specified or it is not practical to use a machine Removal and grubbing of large trees and tree stumps: Clearing Clirch equal to or exceeding 1.0 m up to and including 2.0 m Clearing Girth exceeding 2.0 m up to and including 3.0 m Clearing Girth exceeding 3.0 m Removal of buildings and structures: Prov Sum  1.6  1.6  1.6  1.6  1.6  1.6  1.6  1. | C1           | CHAPTER 1: GENERAL                              |          |          |      |            |
| 21.6.1.1 Clearing with machines and some hand labour where necessary  21.6.2 Grubbing with machines and some hand labour where necessary  21.6.2.1 Grubbing with machines and some hand labour where necessary  21.6.2.2 Grubbing with hand labour when labour enhancement work is specified or it is not practical to use a machine ha  21.6.3.1 Removal and grubbing of large trees and tree stumps:  21.6.3.1 Girth equal to or exceeding 1,0 m up to and including 2,0 m  21.6.3.2 Girth exceeding 2,0 m up to and including 3,0 m  No  Rate Only  15.000.00  | C1.6         | CLEARING AND GRUBBING                           |          |          |      |            |
| necessary  Grubbing with machines and some hand labour where necessary  21.6.2.1 Grubbing with hand labour when labour enhancement work is specified or it is not practical to use a machine ha  C1.6.3.1 Girth equal to or exceeding 1.0 m up to and including 2.0 m  C1.6.3.2 Girth exceeding 2.0 m up to and including 3.0 m  C1.6.3.3 Girth exceeding 3.0 m  Removal of buildings and structures:  Prov Sum  1.6  1.6  1.6  1.6  1.6  1.6  1.6  1.  | C1.6.1       | Clearing:                                       |          |          |      |            |
| C1.6.2.1 Grubbing with machines and some hand labour where necessary C1.6.2.2 Grubbing with hand labour when labour enhancement work is specified or it is not practical to use a machine ha C1.6.3.3 Removal and grubbing of large trees and tree stumps: C1.6.3.1 Girth equal to or exceeding 1.0 m up to and including 2.0 m C1.6.3.2 Girth exceeding 2.0 m up to and including 3.0 m C1.6.3.3 Girth exceeding 3.0 m C1.6.4 Removal of buildings and structures:  Prov Sum  1.6  1.6  1.6  1.6  1.6  1.6  1.6  1.  | C1.6.1.1     |   | ha       | 1.6      |      |            |
| necessary Grubbing with hand labour when labour enhancement work is specified or it is not practical to use a machine C1.6.3.3 Removal and grubbing of large trees and tree stumps: C1.6.3.1 Girth equal to or exceeding 1,0 m up to and including 2,0 m C1.6.3.2 Girth exceeding 2,0 m up to and including 3,0 m No Girth exceeding 3,0 m No Rate Only C1.6.3.3 Removal of buildings and structures: Prov Sum  1.6  1.6  Rate Only Rate Only Rate Only 1.5 000.00  | C1.6.2       | Grubbing:                                       |          |          |      |            |
| work is specified or it is not practical to use a machine ha  Rate Only  C1.6.3 Removal and grubbing of large trees and tree stumps:  C1.6.3.1 Girth equal to or exceeding 1,0 m up to and including 2,0 m  No  Rate Only  C1.6.3.2 Girth exceeding 2,0 m up to and including 3,0 m  No  Rate Only  C1.6.3.3 Girth exceeding 3,0 m  No  Rate Only  C1.6.4 Removal of buildings and structures:  Prov Sum  Removal of buildings and structures:  | C1.6.2.1     |   | ha       | 1.6      |      |            |
| Stumps:  Girth equal to or exceeding 1,0 m up to and including 2,0 m  Rate Only  Rate Only  C1.6.3.2 Girth exceeding 2,0 m up to and including 3,0 m  No  Rate Only  Rate Only  Rate Only  Rate Only  Rate Only  Rate Only  Removal of buildings and structures:  Prov Sum  15 000.00   | C1.6.2.2     |   | ha       |          |      | Rate Only  |
| 2,0 m No Rate Only C1.6.3.2 Girth exceeding 2,0 m up to and including 3,0 m No C1.6.3.3 Girth exceeding 3,0 m No C1.6.4 Removal of buildings and structures:  Prov Sum  Rate Only 15 000.00   | C1.6.3       |   |          |          |      |            |
| C1.6.3.3 Girth exceeding 3,0 m No Rate Only 15 000.00   | C1.6.3.1     |   | No       |          |      | Rate Only  |
| C1.6.4 Removal of buildings and structures:  Prov Sum  15 000.00  | C1.6.3.2     | Girth exceeding 2,0 m up to and including 3,0 m | No       |          |      | Rate Only  |
|   | C1.6.3.3     | Girth exceeding 3,0 m                           | No       |          |      | Rate Only  |
| Total Carried Forward to Summary  | C1.6.4       | Removal of buildings and structures:            | Prov Sum |          |      | 15 000.00  |
| Total Carried Forward to Summary  |              |   |          |          |      |            |
|   | Total Carrie | l<br>ed Forward to Summary                      |          |          |      |            |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| ITEM         | DESCRIPTION  | UNIT  | QUANTITY | RATE | AMOUNT (R) |
|--------------|--|-------|----------|------|------------|
| C1           | CHAPTER 1: GENERAL   |       |          |      |            |
| C1.7         | LOADING AND HAULING  |       |          |      |            |
| C1.7.1       | Loading:   |       |          |      |            |
| C1.7.1.1     | Loading from stockpile using machines and some hand labour where necessary               | m³    |          |      | Rate only  |
| C1.7.2       | Hauling:   |       |          |      |            |
| C1.7.2.1     | Hauling material for use in the Works and off-loading it on the site of the Works:       |       |          |      |            |
| (a)          | Soil, gravel, crushed stone and pavement layer<br>material                               | m³-km | 7290     |      |            |
| C1.7.2.2     | Hauling material to spoil and off-loading it at a designated spoil area:                 |       |          |      |            |
| (a)          | Cleared and grubbed material (organic matter and all other unsuitable or waste material) | m³-km |          |      | Rate only  |
| (b)          | Soil and gravel material   | m³-km |          |      | Rate only  |
| (c)          | Boulders and hard material   | m³-km |          |      | Rate only  |
|              |  |       |          |      |            |
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| Total Carrie | ed Forward to Summary  |       |          |      |            |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| ITEM         | DESCRIPTION  | UNIT     | QUANTITY  | RATE | AMOUNT (R) |
|--------------|--|----------|-----------|------|------------|
| C4           | CHAPTER 4: EARTHWORKS AND PAVEMENT LAYERS: MATERIALS   |          |           |      |            |
| C4.1         | BORROW MATERIALS   |          |           |      |            |
| C4.1.4       | Removing of the overburden   |          |           |      |            |
| C4.1.4.1     | In borrow pits   | m³       | 1250      |      |            |
|              | Excavating of materials in the borrow pits and quarries, material obtained from                              |          |           |      |            |
| C4.1.5.1     | Soft excavation  | m³       | 2430      |      |            |
| C4.1.5.4     | Hard excavation (other than by blasting)   | m³       |           |      | Rate Only  |
| C4.1.5.5     | Hard excavation (by blasting)  | m³       |           |      | Rate Only  |
| C4.1.9       | Breaking down oversize material  | m³       |           |      | Rate Only  |
|              | Shaping and finishing the borrow pit and quarry areas, and the stockpile sites                               |          |           |      |            |
|              | Shaping and finishing the borrow pit and quarry areas, and the stockpile sites                               | ha       | 0.25      |      |            |
|              | Compensation to landowners or legal occupants in respect of land acquisition, royalties and/or loss of crops |          |           |      |            |
|              | Amount allowed, expenditure to be approved or instructed by the Employer                                     | Prov Sum |           |      | 40 000.00  |
| C4.1.18.2    | Handling costs and profit in respect of item C4.1.18.1   | %        | 40 000.00 |      |            |
|              |  |          |           |      |            |
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| Total Carrie | ed Forward to Summary  |          |           |      |            |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

|             |   | UNIT           | QUANTITY | RATE | AMOUNT (R) |
|-------------|---|----------------|----------|------|------------|
| C5          | CHAPTER 5: EARTHWORKS AND PAVEMENT LAYERS: CONSTRUCTION                       |                |          |      |            |
| C5.1        | ROADBED   |                |          |      |            |
| C5.1.1      | Roadbed construction and compaction   |                |          |      |            |
| C5.1.1.2    | Compaction of in-situ material to 93 % of MDD                                 | m³             | 1900     |      |            |
| C5.1.3      | Excavate material to spoil sites designated by the Contractor                 |                |          |      |            |
| C5.1.3.1    | Excavate material to spoil from roadbed construction, material obtained from: |                |          |      |            |
|             | (a) Soft excavation   | m³             |          |      | Rate Only  |
|             | (b) Boulder excavation Class A  | m³             |          |      | Rate Only  |
|             | (c) Boulder excavation Class B  | m³             |          |      | Rate Only  |
|             | (d) Hard excavation (other than by blasting)                                  | m³             |          |      | Rate Only  |
|             | (e) Hard excavation (by blasting)   | m³             |          |      | Rate Only  |
| C5.1.6      | Roller-pass compaction  |                |          |      |            |
| C5.1.6.2    | Pad foot vibratory rollers  | m <sup>2</sup> |          |      | Rate Only  |
| C5.1.6.3    | Smooth drum vibratory rollers   | m <sup>2</sup> |          |      | Rate Only  |
| C5.1.11     | Construction of roadbed comprising a pioneer layer                            | m³             |          |      | Rate Only  |
|             |   |                |          |      |            |
|             |   |                |          |      |            |
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| Total Carri | ed Forward to Summary   | <u> </u>       |          |      |            |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| ITEM        | DESCRIPTION   | UNIT           | QUANTITY | RATE | AMOUNT (R) |  |  |
|-------------|---|----------------|----------|------|------------|--|--|
| C5          | CHAPTER 5: EARTHWORKS AND PAVEMENT LAYERS: CONSTRUCTION                 |                |          |      |            |  |  |
| C5.2        | FILL  |                |          |      |            |  |  |
| C5.2.2      | Fill construction   |                |          |      |            |  |  |
| C5.2.2.1    | Normal fill material in compacted layer thicknesses of 200 mm and less: |                |          |      |            |  |  |
| (a)         | Compacted to 90 % of MDD  | m³             |          |      | Rate Only  |  |  |
| (b)         | Compacted to 93 % of MDD  | m³             | 630      |      |            |  |  |
| (c)         | Roller-pass compaction  | m <sup>2</sup> |          |      | Rate Only  |  |  |
| C5.2.2.4    | Rock fill material all as per Clause A5.2.7.6                           | m³             |          |      | Rate Only  |  |  |
|             |   |                |          |      |            |  |  |
|             |   |                |          |      |            |  |  |
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| Total Carri | <br>ed Forward to Summary   |                | l        |      |            |  |  |
|             | Total Carried Forward to Summary  |                |          |      |            |  |  |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| C5 CHAPTER 5: EARTHWORKS AND PAVEMENT LAYERS: CONSTRUCTION C5.3 ROAD PAVEMENT LAYERS C5.3.2 Construction of pavement layers C5.3.2.1 Construction of layers using conventional construction methods: (b) Lower selected subgrade layer (150mm layer thickness) compacted to 95 % of MDD from minimum G6 quality material  (d) Upper selected subgrade layer (150mm layer thickness) compacted to 97 % of MDD from minimum G6 quality material  m³ 1800 Ra | ТЕМ        | DESCRIPTION                                      | UNIT | QUANTITY | RATE | AMOUNT (R) |
|---|------------|--|------|----------|------|------------|
| C5.3.2 Construction of pavement layers  C5.3.2.1 Construction of layers using conventional construction methods:  (b) Lower selected subgrade layer (150mm layer thickness) compacted to 95 % of MDD from minimum G6 quality material  (d) Upper selected subgrade layer (150mm layer thickness) compacted to 97 % of MDD from minimum  |            |  |      |          |      |            |
| C5.3.2.1 Construction of layers using conventional construction methods:  (b) Lower selected subgrade layer (150mm layer thickness) compacted to 95 % of MDD from minimum G6 quality material m³ 1800  (d) Upper selected subgrade layer (150mm layer thickness) compacted to 97 % of MDD from minimum  | 3 R        | ROAD PAVEMENT LAYERS                             |      |          |      |            |
| methods:  (b) Lower selected subgrade layer (150mm layer thickness) compacted to 95 % of MDD from minimum G6 quality material m³ 1800  (d) Upper selected subgrade layer (150mm layer thickness) compacted to 97 % of MDD from minimum  | 3.2        | Construction of pavement layers                  |      |          |      |            |
| thickness) compacted to 95 % of MDD from minimum G6 quality material  (d) Upper selected subgrade layer (150mm layer thickness) compacted to 97 % of MDD from minimum   |            |  |      |          |      |            |
| thickness) compacted to 97 % of MDD from minimum  | th         | thickness) compacted to 95 % of MDD from minimum | m³   | 1800     |      |            |
|   | th         | thickness) compacted to 97 % of MDD from minimum | m³   |          |      | Rate Only  |
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| Total Carried Forward to Summary  | al Carried | d Forward to Summary                             |      |          |      |            |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| ITEM         | DESCRIPTION   | UNIT  | QUANTITY | RATE | AMOUNT (R) |  |
|--------------|---|-------|----------|------|------------|--|
| C11          | CHAPTER 11: ANCILLARY ROAD WORKS  |       |          |      |            |  |
|              | PITCHING, STONEWORK, CAST IN SITU<br>CONCRETE FOR PROTECTION AGAINST<br>EROSION |       |          |      |            |  |
| C11.1.2      | Stone pitching  |       |          |      |            |  |
| C11.1.2.1    | Plain stone pitching  |       |          |      |            |  |
| (a)          | Method 1  | m²    |          |      | Rate Only  |  |
| (b)          | Method 2  | $m^2$ |          |      | Rate Only  |  |
| C11.1.2.2    | Grouted stone pitching with mortar  | m²    |          |      | Rate Only  |  |
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| Total Carrie | Total Carried Forward to Summary  |       |          |      |            |  |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| ITEM         | DESCRIPTION  | UNIT | QUANTITY | RATE | AMOUNT (R) |
|--------------|--|------|----------|------|------------|
| C11          | CHAPTER 11: ANCILLARY ROAD WORKS   |      |          |      |            |
| C11.2        | NON-STRUCTURAL GABIONS   |      |          |      |            |
| C11.2.1      | Foundation trench excavation:  |      |          |      |            |
| C11.2.1.1    | Excavating all material situated within the following depth ranges below the surface level |      |          |      |            |
| (a)          | 0 m to 1,5 m Depth   | m³   |          |      | Rate Only  |
| (b)          | Exceeding 1,5 m and up to 3,0 m Depth  | m³   |          |      | Rate Only  |
| (c)          | Exceeding 3,0 m and up to 4,5 m Depth  | m³   |          |      | Rate Only  |
| C11.2.1.2    | Extra over sub-item C11.2.1.1 for excavation in hard material, irrespective of depth       | m³   |          |      | Rate Only  |
| C11.2.2      | Surface preparation for bedding the gabion boxes and mattresses                            | m²   |          |      | Rate Only  |
| C11.2.3      | Gabion boxes and mattresses:   |      |          |      |            |
| C11.2.3.1    | Galvanized gabion boxes (1m x 1m x 1m deep)  | m³   |          |      | Rate Only  |
| C11.2.3.3    | Galvanized gabion mattresses (2m x 2m x 0.3m deep)   | m³   |          |      | Rate Only  |
| C11.2.4      | Geotextiles  |      |          |      |            |
|              | (a) Kaytech Grade A2 or similar approved material  | m²   |          |      | Rate Only  |
|              |  |      |          |      |            |
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| Total Carrie | ed Forward to Summary  |      |          |      |            |

**COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)** 

| ITEM                             | DESCRIPTION   | UNIT   | QUANTITY  | RATE | AMOUNT (R) |
|----------------------------------|---|--------|-----------|------|------------|
| C20                              | CHAPTER 20: QUALITY ASSURANCE   |        |           |      |            |
| C20.1                            | TESTING MATERIALS AND JUDGEMENT OF WORKMANSHIP                        |        |           |      |            |
| C20.1.2                          | Special tests requested by the Engineer                               |        |           |      |            |
| C20.1.2.2                        | Employer's contribution to other special tests                        |        |           |      |            |
|                                  | (a) Tests as ordered by the Employer's Agent                          | PC Sum |           |      | 30 000.00  |
|                                  | (i) Handling cost and profit in respect of item<br>C20.1.2.2(a) above | %      | 30 000.00 |      |            |
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| Total Carried Forward to Summary |   |        |           |      |            |

COGTA - MUNICIPAL DISASTER RECOVERY GRANT (MDRG)

TENDER NUMBER: MKHO 03/2023/24(12)

RE-GRAVELLING AND STORMWATER MANAGEMENT FOR 1900m X 5m AT WARD 13 MANGOSUTHU

TOTAL AMOUNT CARRIED TO FORM OF OFFER - CONTRACT AMOUNT (INCL. VAT)

## **SUMMARY OF SECTIONS** ITEM DESCRIPTION AMOUNT (R) C1.2 **GENERAL REQUIREMENTS AND PROVISIONS** C1.3 CONTRACTOR'S SITE ESTABLISHMENT AND GENERAL OBLIGATIONS C1.4 **FACILITIES FOR THE ENGINEER** C1.5 ACCOMMODATION OF TRAFFIC **CLEARING AND GRUBBING** C1.6 C1.7 LOADING AND HAULING C4.1 BORROW MATERIALS FILL C5.2 C5.3 ROAD PAVEMENT LAYERS PITCHING, STONEWORK, CAST IN SITU CONCRETE FOR PROTECTION AGAINST C11.1 **EROSION** C11.2 NON-STRUCTURAL GABIONS C20.1 TESTING MATERIALS AND JUDGEMENT OF WORKMANSHIP TOTAL OF SCHEDULE OF QUANTITIES (SUB TOTAL A) CONTINGENCIES - COMPULSORY The Sum provided here is under the sole control of the Engineer and may be deducted in whole or in part. Tenderer shall multiply 5% with the 'total of schedule of quantities' for contingencies (Sub Total "A" x 5%) SUB TOTAL B - CONSTRUCTION AMOUNT (EXCL. VAT) ADD VALUE ADDED TAX (VAT) - COMPULSORY The Tenderer shall add 15% of the 'Contract Amount (Excl VAT)' for VAT (Sub Total "B" x 15%)