

| <b>O. R. Tambo DISTRICT MUNICIPALITY</b><br><b>NYANDENI LOCAL MUNICIPALITY</b><br>LIBODE WATER SUPPLY |                    |                                                                                          |        |                                                                         |        |          |
|-------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------|--------|----------|
|                                                                                                       |                    |                                                                                          |        | Contract No.: ORTDM SCMU 11-26/27<br>SECTION 1: PRELIMINARY AND GENERAL |        |          |
| ITEM NO.                                                                                              | PAYMENT REF.       | DESCRIPTION                                                                              | UNIT   | QTY                                                                     | RATE R | AMOUNT R |
| <b>1</b>                                                                                              | <b>SABS 1200AA</b> | <b>SECTION 1 : PRELIMINARY AND GENERAL</b>                                               |        |                                                                         |        |          |
| 1.1                                                                                                   | 8.3                | <b>FIXED-CHARGE ITEMS</b>                                                                |        |                                                                         |        |          |
| 1.1.1                                                                                                 | 8.3.1              | Contractual requirements                                                                 | Sum    | 1                                                                       |        |          |
| 1.1.2                                                                                                 | 8.3.2              | <b>Establishment of facilities on the site</b>                                           |        |                                                                         |        |          |
| 1.1.2.1                                                                                               | 8.3.2.1            | <u>Facilities for Engineer:</u>                                                          |        |                                                                         |        |          |
| 1.1.2.1.1                                                                                             |                    | (a) Furnished offices                                                                    | Sum    | 1                                                                       |        |          |
| 1.1.2.1.2                                                                                             |                    | (b) Nameboard                                                                            | Sum    | 1                                                                       |        |          |
| 1.1.2.1.3                                                                                             |                    | (c') 2 No. Shaded Parking Bays                                                           | Sum    | 1                                                                       |        |          |
| 1.1.2.2                                                                                               | 8.3.2.2            | <u>Facilities for the Contractor:</u>                                                    |        |                                                                         |        |          |
| 1.1.2.2.1                                                                                             |                    | (a) Offices and storage sheds                                                            | Sum    | 1                                                                       |        |          |
| 1.1.2.2.2                                                                                             |                    | (b) Workshops                                                                            | Sum    | 1                                                                       |        |          |
| 1.1.2.2.3                                                                                             |                    | (c) Living Accomodation                                                                  | Sum    | 1                                                                       |        |          |
| 1.1.2.2.4                                                                                             |                    | (d) Ablutions and latrine facilities                                                     | Sum    | 1                                                                       |        |          |
| 1.1.2.2.5                                                                                             |                    | (e) Tools and equipment                                                                  | Sum    | 1                                                                       |        |          |
| 1.1.2.2.6                                                                                             |                    | (f) Water supplies, electric power and communications                                    | Sum    | 1                                                                       |        |          |
| 1.1.2.2.7                                                                                             |                    | (g) Dealing with water                                                                   | Sum    | 1                                                                       |        |          |
| 1.1.2.2.8                                                                                             |                    | (h) Access                                                                               | Sum    | 1                                                                       |        |          |
| 1.1.3                                                                                                 | 8.3.3              | Other fixed-charge obligations                                                           |        |                                                                         |        |          |
| 1.1.3.1                                                                                               |                    | (a) Health and Safety Obligations                                                        | Sum    | 1                                                                       |        |          |
| 1.1.3.2                                                                                               |                    | (b) Risk assessment                                                                      | Sum    | 1                                                                       |        |          |
| 1.1.3.3                                                                                               |                    | (c ) Preparation of Project Specific OHS Plan                                            | Sum    | 1                                                                       |        |          |
| 1.1.3.4                                                                                               |                    | (d) Health and Safety File                                                               | Sum    | 1                                                                       |        |          |
| 1.1.3.5                                                                                               |                    | (e) Training                                                                             | Sum    | 1                                                                       |        |          |
| 1.1.3.6                                                                                               |                    | (f) Entry and Exist Medical Assessment of Employees                                      | Sum    | 1                                                                       |        |          |
| 1.1.3.7                                                                                               |                    | (g) Compliance with Requirements of Environmental Management Plan                        | Sum    | 1                                                                       |        |          |
| 1.1.4                                                                                                 | 8.3.4              | Removal of site establishment on completion of the Works                                 | Sum    | 1                                                                       |        |          |
| 1.2                                                                                                   | 8.4                | <b>TIME-RELATED ITEMS</b>                                                                |        |                                                                         |        |          |
| 1.2.1                                                                                                 | 8.4.1              | Contractual Requirements                                                                 | Months | 8                                                                       |        |          |
| 1.2.2                                                                                                 | 8.4.2              | <b>Operation and Maintenance of Facilities on Site, for the Duration of Construction</b> |        |                                                                         |        |          |
|                                                                                                       | 8.4.2.1            | <u>Facilities for Engineer:</u>                                                          |        |                                                                         |        |          |
| 1.2.2.1                                                                                               |                    | (a) Furnished offices                                                                    | Months | 8                                                                       |        |          |
| 1.2.2.2                                                                                               |                    | (b) Nameboard (1 no.)                                                                    | Months | 8                                                                       |        |          |
| 1.2.2.3                                                                                               |                    | (c) 2 No. Shaded Parking Bays                                                            | Months | 8                                                                       |        |          |
|                                                                                                       | 8.4.2.2            | <u>Facilities for Contractor:</u>                                                        |        |                                                                         |        |          |
| 1.2.2.4                                                                                               |                    | (a) Offices and storage sheds                                                            | Months | 8                                                                       |        |          |
| 1.2.2.5                                                                                               |                    | (b) Workshops                                                                            | Months | 8                                                                       |        |          |
| <b>TOTAL CARRIED FORWARD</b>                                                                          |                    |                                                                                          |        |                                                                         |        |          |

| O. R. Tambo DISTRICT MUNICIPALITY<br>NYANDENI LOCAL MUNICIPALITY<br>LIBODE WATER SUPPLY |              |                                                                                                                                                                                                                                                                                                                         |           | Contract No.: ORTDM SCMU 11-26/27<br>SECTION 1: PRELIMINARY AND GENERAL |             |          |
|-----------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------|-------------|----------|
| ITEM NO.                                                                                | PAYMENT REF. | DESCRIPTION                                                                                                                                                                                                                                                                                                             | UNIT      | QTY                                                                     | RATE R      | AMOUNT R |
| BROUGHT FORWARD                                                                         |              |                                                                                                                                                                                                                                                                                                                         |           |                                                                         |             |          |
| 1.2.2.6                                                                                 |              | (c) Living Accomodation                                                                                                                                                                                                                                                                                                 | Months    | 8                                                                       |             |          |
| 1.2.2.7                                                                                 |              | (d) Ablutions and latrine facilities                                                                                                                                                                                                                                                                                    | Months    | 8                                                                       |             |          |
| 1.2.2.8                                                                                 |              | (e) Tools and equipment                                                                                                                                                                                                                                                                                                 | Months    | 8                                                                       |             |          |
| 1.2.2.9                                                                                 |              | (f) Water supplies, electric power and communications                                                                                                                                                                                                                                                                   | Months    | 8                                                                       |             |          |
| 1.2.2.10                                                                                |              | (g) Dealing with water                                                                                                                                                                                                                                                                                                  | Months    | 8                                                                       |             |          |
| 1.2.2.11                                                                                |              | (h) Access                                                                                                                                                                                                                                                                                                              | Months    | 8                                                                       |             |          |
| 1.2.3                                                                                   | 8.4.3        | Supervision for duration of construction                                                                                                                                                                                                                                                                                | Months    | 8                                                                       |             |          |
| 1.2.4                                                                                   | 8.4.4        | Company and Head Office Overhead costs for the Duration of the Contract                                                                                                                                                                                                                                                 | Months    | 8                                                                       |             |          |
| 1.2.5                                                                                   |              | <u>OHS ACT Requirements</u>                                                                                                                                                                                                                                                                                             |           |                                                                         |             |          |
| 1.2.5.1                                                                                 | PSA 8.12     | Full compliance with all OHS Act 85 of 1993 and Construction Regulations 2014 requirements during the construction of the Works                                                                                                                                                                                         |           |                                                                         |             |          |
| 1.2.5.2                                                                                 |              | Provision of Health and Safety Officer, with industry recognized qualifications in Environmental Health, or in Public Health, or in Safety Management, and registered with the South African Council for Project and Construction Management Professions (SACPCMP), as a Registered Occupational Health & Safety Agent. | Months    | 6                                                                       |             |          |
| 1.2.5.3                                                                                 |              | Comply with project Environmental Management Specification fully                                                                                                                                                                                                                                                        | Months    | 6                                                                       |             |          |
| 1.3                                                                                     | 8.6          | <b>PRIME COST ITEMS</b>                                                                                                                                                                                                                                                                                                 |           |                                                                         |             |          |
| 1.3.1                                                                                   |              | Community Liaison Officer (CLO)                                                                                                                                                                                                                                                                                         | P.C Sum   | 1                                                                       | R 72 000,00 |          |
| 1.4.1.2                                                                                 |              | (b) Provision of cellphone for use by CLO                                                                                                                                                                                                                                                                               | P.C Sum   | 1                                                                       |             |          |
| 1.4.1.3                                                                                 |              | (c) CLO's cellphone costs (at R200/month)                                                                                                                                                                                                                                                                               | P.C Sum   | 1                                                                       |             |          |
| 1.3.2                                                                                   |              | Contractor's mark up on above Items 1.3.1.1                                                                                                                                                                                                                                                                             | %         | R72 000,00                                                              |             |          |
| 1.3.3                                                                                   |              | Employment of PSC for the duration of the contract (5No at R200pm each)                                                                                                                                                                                                                                                 | Prov. Sum | 1                                                                       | R 20 000,00 |          |
| 1.3.4                                                                                   |              | Contractor's mark up on above Items 1.3.1.5                                                                                                                                                                                                                                                                             | %         | R20 000,00                                                              |             |          |
| 1.3.5                                                                                   |              | Allowance for Civil Engineering Student / Trainee                                                                                                                                                                                                                                                                       | Prov. Sum | 1                                                                       | R 76 000,00 |          |
| 1.3.6                                                                                   |              | Contractors markup on the above 1.3.7                                                                                                                                                                                                                                                                                   | %         | R 76 000,00                                                             |             |          |
| 1.4                                                                                     | 8.8          | <b>TEMPORARY WORKS</b>                                                                                                                                                                                                                                                                                                  |           |                                                                         |             |          |
| 1.4.1                                                                                   |              | <b>Provision of access to the Works:</b>                                                                                                                                                                                                                                                                                |           |                                                                         |             |          |
| 1.4.1.1                                                                                 |              | Provide access to the Works including all temporary deviation roads, excavations and ramps, etc.                                                                                                                                                                                                                        | Sum       | 1                                                                       |             |          |
| 1.4.2                                                                                   | SANS 1921-2  | <b>Accomodation of traffic</b>                                                                                                                                                                                                                                                                                          |           |                                                                         |             |          |
| 1.4.2.1                                                                                 |              | Accommodation and management of traffic during the Contract                                                                                                                                                                                                                                                             | Sum       | 1                                                                       |             |          |
| 1.5                                                                                     | 8.7          | <b>DAYWORK</b>                                                                                                                                                                                                                                                                                                          |           |                                                                         |             |          |
| 1.5.1                                                                                   |              | Unskilled workers                                                                                                                                                                                                                                                                                                       | hr        | 10                                                                      |             |          |
| 1.5.2                                                                                   |              | 6m³ Tipper Truck                                                                                                                                                                                                                                                                                                        | hr        | 10                                                                      |             |          |
| 1.5.3                                                                                   |              | Tractor-loader-backhoe (TLB)                                                                                                                                                                                                                                                                                            | hr        | 10                                                                      |             |          |
| 1.5.4                                                                                   |              | Water Pump                                                                                                                                                                                                                                                                                                              | hr        | 10                                                                      |             |          |
| 1.5.5                                                                                   |              | Generator                                                                                                                                                                                                                                                                                                               | hr        | 10                                                                      |             |          |
| SECTION 1 TOTAL CARRIED FORWARD TO SUMMARY                                              |              |                                                                                                                                                                                                                                                                                                                         |           |                                                                         |             |          |

**O. R. Tambo DISTRICT MUNICIPALITY****NYANDENI LOCAL MUNICIPALITY**

LIBODE WATER SUPPLY

**Contract No.: ORTDM SCMU 11-26/27****SECTION 2: SITE CLEARANCE**

| ITEM NO.                                          | PAYMENT REF.       | DESCRIPTION                                                                                                                                                                                                                             | UNIT     | QTY          | RATE R       | AMOUNT R     |
|---------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|--------------|--------------|
| <b>2</b>                                          | <b>SABS 1200 C</b> | <b>SECTION 2: SITE CLEARANCE</b>                                                                                                                                                                                                        |          |              |              |              |
| 2.1                                               | 8.2.1              | <b>Clear and Grub:</b>                                                                                                                                                                                                                  |          |              |              |              |
| 2.1.1                                             |                    | Clear and grub pipeline route (1 m width)                                                                                                                                                                                               | m        | 11 543       |              |              |
| 2.1.2                                             | 8.2.2.a)           | Clear and grub trees of girth:                                                                                                                                                                                                          |          |              |              |              |
| 2.1.2.1                                           |                    | Greater than 1 m but less than 2 m                                                                                                                                                                                                      | No       | 1            |              |              |
| 2.2                                               |                    | <b>Remove Topsoil</b>                                                                                                                                                                                                                   |          |              |              |              |
| 2.2.1                                             | 8.3.1( c )         | Remove topsoil (1 m width) to a depth of 150 mm, stockpile and maintain for duration of contract, for later use, using mechanical excavation methods only.                                                                              |          |              |              |              |
| 2.2.1.1                                           |                    | For pipelines                                                                                                                                                                                                                           | m        | 11 543       |              |              |
| <b>2,3</b>                                        |                    | <b>Existing Water Services Proofing</b>                                                                                                                                                                                                 |          |              |              |              |
| 2.3.1                                             |                    | Allow for physical location and confirmation of existing rising and gravity mains pipelines including type, sizes and alignment from boreholes to reservoirs or connecting pipeline using trial holes or any other detection equipment. | Prov Sum | 1            | R 100 000,00 | R 100 000,00 |
| 2.3.2                                             |                    | Contractor's mark up on above Items 2.3.1                                                                                                                                                                                               | %        | R 100 000,00 |              |              |
| <b>2,4</b>                                        |                    | <b>Assessment of Existing Boreholes</b>                                                                                                                                                                                                 |          |              |              |              |
| 2.4.1                                             |                    | Allow for the assessment of existing boreholes' pumps specifications, borehole yield and water quality at the biggning of the contract                                                                                                  | Prov Sum | 1            | R 150 000,00 | R 150 000,00 |
| 2.4.2                                             |                    | Contractor's mark up on above Items 2.3.1                                                                                                                                                                                               | %        | R 150 000,00 |              |              |
| <b>SECTION 2 TOTAL CARRIED FORWARD TO SUMMARY</b> |                    |                                                                                                                                                                                                                                         |          |              |              |              |

**O. R. Tambo DISTRICT MUNICIPALITY****NYANDENI LOCAL MUNICIPALITY**

LIBODE WATER SUPPLY

**Contract No.: ORTDM SCMU 11-26/27****SECTION 3: EARTHWORKS (PIPE TRENCHES)**

| ITEM NO.                                          | PAYMENT REF.        | DESCRIPTION                                                                                                                                                                          | UNIT | QTY    | RATE R | AMOUNT R |
|---------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|--------|----------|
| <b>3</b>                                          | <b>SABS 1200 DB</b> | <b>SECTION 3: EARTHWORKS (PIPE TRENCHES)</b>                                                                                                                                         |      |        |        |          |
| <b>3.1</b>                                        | <b>SABS 1200 DB</b> | <b>Pipe Trenches</b>                                                                                                                                                                 |      |        |        |          |
| 3.1.1                                             | 8.3.2 (a)           | Excavation in all materials for trenches min. 700 mm wide, 800 mm cover to soffit, backfill, compact and dispose of surplus / unsuitable material, for pipes of up to 250mm diameter |      |        |        |          |
| 3.1.1.1                                           | 8.3.2 (a) (ii)      | Over 0.0 m and up to 1.5 m                                                                                                                                                           | m    | 16 397 |        |          |
| 3.1.1.2                                           | 8.3.2 (b)           | Extra-over item for 3.1.1.1 for                                                                                                                                                      |      |        |        |          |
| 3.1.1.2.1                                         | 8.3.2 (b) (i)       | Intermediate Excavation                                                                                                                                                              | m³   | 2 031  |        |          |
| 3.1.1.2.2                                         | 8.3.2 (b) (ii)      | Hard Rock Excavation                                                                                                                                                                 | m³   | 226    |        |          |
| 3.1.1.3                                           | 8.3.2 (e)           | Excavate and dispose of unsuitable material from trench bottom                                                                                                                       | m³   | 46     |        |          |
| 3.2                                               | 8.3.3               | <b>Excavation Ancillaries</b>                                                                                                                                                        |      |        |        |          |
| 3.2.1                                             | 8.3.3.1             | Make up deficiency in Backfill Material (Provisional)                                                                                                                                |      |        |        |          |
| 3.2.2                                             | 8.3.3.1 (a)         | From other necessary excavations on site                                                                                                                                             | m³   | 23     |        |          |
| 3.2.3                                             | 8.3.3.1 (b)         | by importation from designated borrow pits                                                                                                                                           | m³   | 23     |        |          |
| 3.2.4                                             | 8.3.3.1 (c)         | by importation from commercial or off-site sources selected by the contractor                                                                                                        | m³   | 23     |        |          |
| 3.2.5                                             | <b>8.3.5</b>        | <b>Existing Services that Intersect or Adjoin a pipe trench</b>                                                                                                                      |      |        |        |          |
| 3.2.5.1                                           | 8.3.5 (a)           | Services that intersect a trench                                                                                                                                                     | no.  | 20     |        |          |
| 3.2.5.2                                           | 8.3.5 (b)           | Services that adjoin a trench                                                                                                                                                        | m    | 100    |        |          |
| <b>3.3</b>                                        | <b>8.3.6</b>        | <b>Finishing</b>                                                                                                                                                                     |      |        |        |          |
| 3.3.1                                             | 8.3.6.1             | Reinstate road surfaces complete with all courses                                                                                                                                    |      |        |        |          |
| 3.3.2                                             | 8.3.6.1 (a)         | Gravel on shoulders                                                                                                                                                                  | m²   | 82     |        |          |
| 3.3.3                                             | 8.3.6.1 (c)         | Asphalt of thickness 40mm in roadways                                                                                                                                                | m²   | 25     |        |          |
| <b>SECTION 3 TOTAL CARRIED FORWARD TO SUMMARY</b> |                     |                                                                                                                                                                                      |      |        |        |          |

| <b>O. R. Tambo DISTRICT MUNICIPALITY</b><br><b>NYANDENI LOCAL MUNICIPALITY</b><br>LIBODE WATER SUPPLY |                     |                                                                     |      |                                                                 |        |          |
|-------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------|------|-----------------------------------------------------------------|--------|----------|
|                                                                                                       |                     |                                                                     |      | Contract No.: ORTDM SCMU 11-26/27<br>SECTION 4: BEDDING (PIPES) |        |          |
| ITEM NO.                                                                                              | PAYMENT REF.        | DESCRIPTION                                                         | UNIT | QTY                                                             | RATE R | AMOUNT R |
| <b>4</b>                                                                                              | <b>SABS 1200 LB</b> | <b>SECTION 4: BEDDING (PIPES)</b>                                   |      |                                                                 |        |          |
| 4,1                                                                                                   | 8.2.1               | <b>Provision of Bedding From Trench Excavation</b>                  |      |                                                                 |        |          |
| 4.1.1                                                                                                 | 8.2.1(a)            | Selected granular material                                          | m³   | 1 714                                                           |        |          |
| 4.1.2                                                                                                 | 8.2.1(b)            | Selected fill material                                              | m³   | 1 714                                                           |        |          |
| 4,2                                                                                                   | 8.2.2               | <b>Supply only of Bedding by Importation</b>                        |      |                                                                 |        |          |
| 4.2.1                                                                                                 | 8.2.2.1             | <u>From other Necessary Excavations</u>                             |      |                                                                 |        |          |
| 4.2.1.1                                                                                               | 8.2.2.1(a)          | Selected granular material                                          | m³   | 1 000                                                           |        |          |
| 4.2.1.2                                                                                               | 8.2.2.1(b)          | Selected fill material                                              | m³   | 1 000                                                           |        |          |
| 4.2.2                                                                                                 | 8.2.2.3             | <u>From Commercial Sources</u>                                      |      |                                                                 |        |          |
| 4.2.2.1                                                                                               | 8.2.2.3(a)          | Selected granular material                                          | m³   | 1 000                                                           |        |          |
| 4.2.2.2                                                                                               | 8.2.2.3(b)          | Selected fill material                                              | m³   | 1 000                                                           |        |          |
| 4.2.2.3                                                                                               |                     | Supply and place 19mm stone bedding (provisional)                   | m³   | 3                                                               |        |          |
| 4.2.2.4                                                                                               |                     | Supply and install Grade A4 geofabric filter membrane (provisional) | m²   | 41                                                              |        |          |
| 4.2.3                                                                                                 | 8.2.3               | <u>Concrete Bedding Cradle (Provisional)</u>                        |      |                                                                 |        |          |
| 4.2.3.1                                                                                               |                     | 15/19 Grade concrete                                                | m³   | 10                                                              |        |          |
| <b>SECTION 4 TOTAL CARRIED FORWARD TO SUMMARY</b>                                                     |                     |                                                                     |      |                                                                 |        |          |

**O. R. Tambo DISTRICT MUNICIPALITY****NYANDENI LOCAL MUNICIPALITY****LIBODE WATER SUPPLY****Contract No.: ORTDM SCMU 11-26/27****SECTION 5: MEDIUM PRESSURE PIPELINES**

| ITEM NO.                     | PAYMENT REF.       | DESCRIPTION                                                                                                                                                 | UNIT           | QTY   | RATE R | AMOUNT R |
|------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------|--------|----------|
| <b>5</b>                     | <b>SABS 1200 L</b> | <b>SECTION 5 : MEDIUM PRESSURE PIPELINES</b>                                                                                                                |                |       |        |          |
| <b>5.1</b>                   | <b>SABS 1200 L</b> | <b>uPVC PIPES</b>                                                                                                                                           |                |       |        |          |
| 5.1.1                        | 8.2.1              | Supply, lay, bed and test pipes complete with couplings, uPVC Class 16 Pipes to SABS 966-1:                                                                 |                |       |        |          |
| 5.1.1.1                      |                    | 110mm Ø uPVC (rising main)                                                                                                                                  | m              | 6 200 |        |          |
| 5.1.1.2                      |                    | 110mm Ø uPVC (gravity main)                                                                                                                                 | m              | 2 100 |        |          |
| 5.1.2                        | 8.2.2              | Extra over item 5.1.1 for supply, lay, joint, bed, test and disinfect specials incl cut pipes to length where required PVC class 16 complete with couplings |                |       |        |          |
| 5.1.3                        |                    | <b>uPVC Pipe Bends (CL 16)</b>                                                                                                                              |                |       |        |          |
| 5.1.3.1                      |                    | 90° bends                                                                                                                                                   | No             | 35    |        |          |
| 5.1.3.2                      |                    | 45° bends                                                                                                                                                   | No             | 47    |        |          |
| 5.1.3.3                      |                    | 22.5° bends                                                                                                                                                 | No             | 24    |        |          |
| 5.1.3.4                      |                    | 11.25° bends                                                                                                                                                | No             | 116   |        |          |
| 5.1.4                        |                    | <b>uPVC Equal Tees (CL 16)</b>                                                                                                                              |                |       |        |          |
| 5.1.4.1                      |                    | 110mm x 110mm x 110mm                                                                                                                                       | No             | 7     |        |          |
| 5.1.4.2                      | 8.2.3              | Extra-over item 5.1.1 for Supplying, Fixing and Bedding of Valves                                                                                           |                |       |        |          |
| 5.1.4.2.1                    |                    | 250 mm Ø Isolation Valve assembly complete                                                                                                                  | No             | 2     |        |          |
| 5.1.4.2.2                    |                    | 160mm Ø Isolation Valve assembly complete                                                                                                                   | No             | 6     |        |          |
| 5.1.4.2.3                    |                    | 110mm Ø Isolation Valve assembly complete                                                                                                                   | No             | 6     |        |          |
| 5.1.4.2.4                    |                    | 75mm Ø Isolation Valve assembly complete                                                                                                                    | No             | 7     |        |          |
| 5.1.4.2.5                    |                    | 50mm Ø Isolation Valve assembly complete                                                                                                                    | No             | 19    |        |          |
| 5.1.4.2.6                    |                    | 110mm Ø Pressure Reducing Valve assembly complete                                                                                                           | No             | 12    |        |          |
| 5.1.4.2.7                    |                    | 110mm Ø Scour Valve assembly complete                                                                                                                       | No             | 18    |        |          |
| 5.1.4.2.8                    |                    | 110mm Ø Non-Return Valve assembly complete                                                                                                                  | No             | 17    |        |          |
| 5.1.4.2.9                    |                    | 110mm Ø Air Valve assembly complete                                                                                                                         | No             | 22    |        |          |
| 5.1.5                        | 8.2.11             | Anchor/Thrust Blocks and Pedestals as shown on DWG 2512-LIB-C-D-009                                                                                         | m <sup>3</sup> | 10    |        |          |
| 5.1.6                        | 8.2.13             | Valve Chambers as shown on DWG 2512-LIB-C-D-006                                                                                                             | No             | 69    |        |          |
| 5.1.7                        | 8.2.13             | Pipe Markers as shown on DWG 2512-LIB-C-D-007                                                                                                               | No             | 56    |        |          |
| 5.2                          |                    | <b>Zone Meter Complete and Standpipes</b>                                                                                                                   |                |       |        |          |
| 5.2.1                        |                    | Supply and install 110mm Water Meter assemblies complete with chamber. Rate to be inclusive of all pipework, strainer and specials.                         | No             | 11    |        |          |
| <b>TOTAL CARRIED FORWARD</b> |                    |                                                                                                                                                             |                |       |        |          |

| O. R. Tambo DISTRICT MUNICIPALITY          |              |                                                                                                                                                                                                                                                                                                                                      |          |                                      |             |          |
|--------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------|-------------|----------|
| NYANDENI LOCAL MUNICIPALITY                |              |                                                                                                                                                                                                                                                                                                                                      |          | Contract No.: ORTDM SCMU 11-26/27    |             |          |
| LIBODE WATER SUPPLY                        |              |                                                                                                                                                                                                                                                                                                                                      |          | SECTION 5: MEDIUM PRESSURE PIPELINES |             |          |
| ITEM NO.                                   | PAYMENT REF. | DESCRIPTION                                                                                                                                                                                                                                                                                                                          | UNIT     | QTY                                  | RATE R      | AMOUNT R |
| BROUGHT FORWARD                            |              |                                                                                                                                                                                                                                                                                                                                      |          |                                      |             |          |
| 5.2.2                                      |              | Supply and install standpipe complete, as per DWG 2512-LIB-C-D-002, including HDPE saddle, tap and galvanised riser pipe, concrete work including shuttering, elbows, nipples, stopcock valve etc.                                                                                                                                   | No       | 100                                  |             |          |
| 5,3                                        | SABS 1200 L  | <b>HDPE PIPES</b><br>Pipes of this material and diameter will undergo compression fitting connections, The rate shall include supply, handling, connecting as well as cutting and waste fo jointing of ebows, pipes, drilling saddle holes and installing tee pieces. Each roll will be priced with one compression fitting coupling |          |                                      |             |          |
| 5.3.1                                      | 8.2.1        | Supply, Lay, and Bed HDPE Pipes Complete with Couplings in areas with no reticulation or with reticulation where replacement is required:                                                                                                                                                                                            |          |                                      |             |          |
| 5.3.1.1                                    |              | 50mm Ø PN10 HDPE                                                                                                                                                                                                                                                                                                                     | m        | 11 500                               |             |          |
| 5.3.1.2                                    |              | 75mm Ø PN10 HDPE                                                                                                                                                                                                                                                                                                                     | m        | 350                                  |             |          |
| 5.2.2                                      |              | Extra-over Item 5.3.1.1 for Supplying, Fixing, and Bedding of HDPE Specials Complete with Couplings:<br><br><u>Compression Tees (PN12.5)</u>                                                                                                                                                                                         |          |                                      |             |          |
| 5.2.2.1                                    |              | 25mm Ø All equal Tee                                                                                                                                                                                                                                                                                                                 | No       | 58                                   |             |          |
| 5.2.2.2                                    |              | 50mm Ø All equal Tee                                                                                                                                                                                                                                                                                                                 | No       | 110                                  |             |          |
| 5.2.2.2                                    |              | <u>Compression Bends (PN12.5)</u>                                                                                                                                                                                                                                                                                                    |          |                                      |             |          |
| 5.2.2.2                                    |              | 25mm Ø x 90° Bend                                                                                                                                                                                                                                                                                                                    | No       | 58                                   |             |          |
| 5.2.2.3                                    |              | 50mm Ø x 90° Bend                                                                                                                                                                                                                                                                                                                    | No       | 120                                  |             |          |
| 5.2.3                                      |              | Allow for investigation and repairs to the existing services including pipes and to make them function properly again                                                                                                                                                                                                                | Prov Sum | 1                                    | R 50 000,00 |          |
| 5.2.4                                      |              | Contractor's mark up on above Items 5.2.3                                                                                                                                                                                                                                                                                            | %        |                                      |             |          |
| SECTION 5 TOTAL CARRIED FORWARD TO SUMMARY |              |                                                                                                                                                                                                                                                                                                                                      |          |                                      |             |          |

| O. R. Tambo DISTRICT MUNICIPALITY |              |                                                                                                                                               |                |                                         |        |          |
|-----------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------|--------|----------|
| NYANDENI LOCAL MUNICIPALITY       |              |                                                                                                                                               |                | Contract No.: ORTDM SCMU 11-26/27       |        |          |
| LIBODE WATER SUPPLY               |              |                                                                                                                                               |                | SECTION 6: SMALL WORKS (BOREHOLE KIOSK) |        |          |
| ITEM NO.                          | PAYMENT REF. | DESCRIPTION                                                                                                                                   | UNIT           | QTY                                     | RATE R | AMOUNT R |
| 6                                 |              | <b>SECTION 6: SMALL WORKS (No9 x BOREHOLE KIOSKS )</b><br>Works will include the new and refurbishments at existing and new borehole kiosks)  |                |                                         |        |          |
| 6,1                               | SABS 1200 C  | <b>SITE CLEARANCE</b>                                                                                                                         |                |                                         |        |          |
| 6.1.1                             | 8.2.1        | <b>Clear and Grub:</b>                                                                                                                        |                |                                         |        |          |
| 6.1.1.1                           | 8.2.1        | Clear and grub pump house site and dispose of surplus material approved waste dump site.                                                      | m <sup>2</sup> | 45                                      |        |          |
| 6.1.2                             |              | <b>Remove Topsoil</b>                                                                                                                         |                |                                         |        |          |
| 6.1.2.1                           | 8.3.1( c )   | Remove topsoil to a depth of 150mm, stockpile and maintain for duration of contract, for later use, using mechanical excavation methods only. |                |                                         |        |          |
| 6.1.2.1.1                         |              | For small works                                                                                                                               | m <sup>2</sup> | 45                                      |        |          |
| 6,2                               | SABS 1200 DA | <b>EARTHWORKS (SMALL WORKS)</b>                                                                                                               |                |                                         |        |          |
| 6.2.1                             |              | <b>Restricted Excavation</b>                                                                                                                  |                |                                         |        |          |
| 6.2.1.1                           |              | Restricted excavation in earth not exceeding 1 m depth                                                                                        |                |                                         |        |          |
| 6.2.1.2                           |              | For foundations                                                                                                                               | m <sup>3</sup> | 24                                      |        |          |
| 6.2.1.3                           |              | Extra-over for excavation in:                                                                                                                 |                |                                         |        |          |
| 6.2.1.3.1                         |              | Intermediate material                                                                                                                         | m <sup>3</sup> | 2,4                                     |        |          |
| 6.2.1.3.2                         |              | Hard rock                                                                                                                                     | m <sup>3</sup> | 2,4                                     |        |          |
| 6.2.2                             |              | <b>Earthfilling</b>                                                                                                                           |                |                                         |        |          |
| 6.2.2.1                           |              | Backfilling with material from the excavations compacted to density of at least 98% Mod. AASHTO density                                       |                |                                         |        |          |
| 6.2.2.1.1                         |              | Under floors, pavings, etc.                                                                                                                   | m <sup>3</sup> | 36                                      |        |          |
| 6.2.2.1.2                         |              | Backfilling to trenches, foundations, etc                                                                                                     | m <sup>3</sup> | 5                                       |        |          |
| 6.2.2.2                           |              | Filling with 150 mm thick G7 material imported from commercial source compacted to 95% Mod. AASHTO maximum density.                           |                |                                         |        |          |
| 6.2.2.2.1                         |              | Under floors and foundations                                                                                                                  | m <sup>3</sup> | 36                                      |        |          |
| 6.2.3                             |              | <b>Soil Poisoning</b>                                                                                                                         |                |                                         |        |          |
| 6.2.3.1                           |              | With insecticides under floors, etc.                                                                                                          | m <sup>2</sup> | 45                                      |        |          |
| 6.2.4                             |              | <b>Finishings</b>                                                                                                                             |                |                                         |        |          |
| 6.2.4.1                           | SABS 1200 DA | Spread topsoil from stockpile to a depth of 100 mm                                                                                            | m <sup>2</sup> | 14                                      |        |          |
| 6,3                               | SABS 1200 GB | <b>CONCRETE (ORDINARY BUILDINGS)</b>                                                                                                          |                |                                         |        |          |
| 6.3.1                             |              | <b>Unreinforced Concrete</b>                                                                                                                  |                |                                         |        |          |
| 6.3.1.1                           |              | 15 Mpa/19mm Concrete (Provisional)                                                                                                            | m <sup>3</sup> | 9                                       |        |          |
| 6.3.2                             |              | <b>Reinforced Concrete</b>                                                                                                                    |                |                                         |        |          |
| 6.3.2.1                           |              | 25 MPa/19mm Concrete for:                                                                                                                     |                |                                         |        |          |
| 6.3.2.1.1                         |              | Foundations and footings                                                                                                                      | m <sup>3</sup> | 20                                      |        |          |
| 6.3.2.1.2                         |              | Surface beds, ramps, steps, aprons, e.t.c                                                                                                     | m <sup>3</sup> | 18                                      |        |          |
| 6.3.2.2                           |              | 30 MPa/19mm Concrete for:                                                                                                                     |                |                                         |        |          |
| 6.3.2.2.1                         |              | Roof slabs                                                                                                                                    | m <sup>3</sup> | 18                                      |        |          |
| 6.3.3                             |              | <b>Concrete Tests</b>                                                                                                                         |                |                                         |        |          |
| 6.3.3.1                           |              | Making and testing of a set of three 150 x 150 x 150 mm concrete specimens                                                                    | No.            | 9                                       |        |          |
| 6.3.4                             |              | <b>Concrete Finishes</b>                                                                                                                      |                |                                         |        |          |
| 6.3.4.1                           |              | <u>Unformed surface finishes</u>                                                                                                              |                |                                         |        |          |
| 6.3.4.1.1                         |              | Smooth finish with steel float to surface beds, etc.                                                                                          | m <sup>2</sup> | 45                                      |        |          |
| 6.3.5                             |              | <b>Reinforcement</b>                                                                                                                          |                |                                         |        |          |
| 6.3.5.1                           |              | Ref. 245 welded mesh reinforcement in concrete surface beds, slabs, aprons, e.t.c.                                                            | m <sup>2</sup> | 100                                     |        |          |
| 6.3.5.2                           |              | HT mild steel reinforcement to structural concrete members in bars of all diameters in ring beams, strip footings, etc.                       | kg             | 400                                     |        |          |
| <b>TOTAL CARRIED FORWARD</b>      |              |                                                                                                                                               |                |                                         |        |          |

| O. R. Tambo DISTRICT MUNICIPALITY<br>NYANDENI LOCAL MUNICIPALITY<br>LIBODE WATER SUPPLY |              |                                                                                                                                                                                                                                                   |          | Contract No.: ORTDM SCMU 11-26/27<br>SECTION 6: SMALL WORKS (BOREHOLE KIOSK) |             |          |
|-----------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------|-------------|----------|
| ITEM NO.                                                                                | PAYMENT REF. | DESCRIPTION                                                                                                                                                                                                                                       | UNIT     | QTY                                                                          | RATE R      | AMOUNT R |
| BROUGHT FORWARD                                                                         |              |                                                                                                                                                                                                                                                   |          |                                                                              |             |          |
| <b>6.3.6</b>                                                                            |              | <b>Joints</b>                                                                                                                                                                                                                                     |          |                                                                              |             |          |
| 6.3.6.1                                                                                 |              | <u>Expansion joints</u>                                                                                                                                                                                                                           |          |                                                                              |             |          |
| 6.3.6.1.1                                                                               |              | Expansion joints with 10mm polystyrene including 10x10mm polysulphide bead between vertical brick and/or concrete surfaces                                                                                                                        | m        | 45                                                                           |             |          |
| 6.3.6.2                                                                                 |              | <u>Construction Joints</u>                                                                                                                                                                                                                        |          |                                                                              |             |          |
| 6.3.6.2.1                                                                               |              | Construction joint between the walls and roof slab, with 2-ply malthoid layer                                                                                                                                                                     | m        | 45                                                                           |             |          |
| <b>6.4</b>                                                                              |              | <b>MASONRY</b>                                                                                                                                                                                                                                    |          |                                                                              |             |          |
| <b>6.4.1</b>                                                                            |              | <b>Brickwork in Foundations</b>                                                                                                                                                                                                                   |          |                                                                              |             |          |
| 6.4.1.1                                                                                 |              | NFX brickwork (14MPa nominal compressive strength) in Class I mortar                                                                                                                                                                              |          |                                                                              |             |          |
| 6.4.1.1.1                                                                               |              | One-brick walls                                                                                                                                                                                                                                   | m²       | 45                                                                           |             |          |
| <b>6.4.2</b>                                                                            |              | <b>Brickwork in Superstructure</b>                                                                                                                                                                                                                |          |                                                                              |             |          |
| 6.4.2.1                                                                                 |              | "Corobrik Firelight Travertine FBX" face bricks pointed with recessed horizontal and vertical joints in Class 1 mortar                                                                                                                            |          |                                                                              |             |          |
| 6.4.2.1.1                                                                               |              | One-brick walls                                                                                                                                                                                                                                   | m²       | 400                                                                          |             |          |
| <b>6.4.3</b>                                                                            |              | <b>Damp-proofing of Walls and Floors</b>                                                                                                                                                                                                          |          |                                                                              |             |          |
| 6.4.3.1                                                                                 |              | One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course                                                                                                                                                                 |          |                                                                              |             |          |
| 6.4.3.1.1                                                                               |              | In walls                                                                                                                                                                                                                                          | m        | 90                                                                           |             |          |
| 6.4.3.2                                                                                 |              | One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting                                                                                                                                                                   |          |                                                                              |             |          |
| 6.4.3.2.1                                                                               |              | Under surface beds                                                                                                                                                                                                                                | m²       | 108                                                                          |             |          |
| <b>6.4.5</b>                                                                            |              | <b>Doors, Frames, e.t.c</b>                                                                                                                                                                                                                       |          |                                                                              |             |          |
| 6.4.5.1                                                                                 |              | Manufacturing and installation of 2134 mm x 1100mm "Type C" transformer room door and frame, including hinges and locksets.                                                                                                                       | No       | 9                                                                            |             |          |
| <b>6.4.6</b>                                                                            |              | <b>Ventilation</b>                                                                                                                                                                                                                                |          |                                                                              |             |          |
| 6.4.6.1                                                                                 |              | Louvres 700mmx150mm                                                                                                                                                                                                                               | No       | 18                                                                           |             |          |
| <b>6.5</b>                                                                              |              | <b>FENCING</b>                                                                                                                                                                                                                                    |          |                                                                              |             |          |
| <b>6.5.1</b>                                                                            |              | <b>Perimeter Fencing</b>                                                                                                                                                                                                                          |          |                                                                              |             |          |
| 6.5.1.1                                                                                 |              | Supply and installation of High Security 2.4 m high clearvu fence with 76x12 Aperture or similar approved fence with 500 mm antibarrow and shark tooth spikes (both galvanised & marine fusion bond coated-acid modified), at all borehole Kiosks | m        | 306                                                                          |             |          |
| <b>6.5.2</b>                                                                            |              | <b>Gates</b>                                                                                                                                                                                                                                      |          |                                                                              |             |          |
| 6.5.2.1                                                                                 |              | Supply and install 3 m x 2,4 m heavy duty, Galvanized Mild Steel, double leaf vehicular gate including locks at all borehole kiosks                                                                                                               | No       | 9                                                                            |             |          |
| 6.5.3                                                                                   |              | <b>Guard House</b>                                                                                                                                                                                                                                |          |                                                                              |             |          |
| 6.5.3.1                                                                                 |              | Provide a security guard house complete with conservancy tank, including furniture at all borehole Kiosks as per DWG 2512-LIB-C-D-003 / 2512-LIB-C-D-001                                                                                          | Prov Sum | 1                                                                            | R 80 000,00 |          |
| 6.5.3.2                                                                                 |              | Contractors mark-up on item 6.5.3.1 above                                                                                                                                                                                                         | %        |                                                                              |             |          |
| 6.5.3.3                                                                                 |              | Supply and Provide a VIP Toilet (Double Pit 4m³) Pre cast                                                                                                                                                                                         | Sum      | 1                                                                            |             |          |
| 6.5.3.4                                                                                 |              | Supply and Provide Water Tanks (10 000 Litres) including all fittings and a Tap with a Stand and Fully Installed Aluminium Gutterings                                                                                                             | Sum      | 1                                                                            |             |          |
| 6.5.3.5                                                                                 |              | Supply, Provide and Install including All Fittings for Solar for Flood Lights and Lighting in the Pump Stations with a Pillar and guard Houses                                                                                                    | Sum      | 1                                                                            |             |          |
| <b>SECTION 6 TOTAL CARRIED FORWARD TO SUMMARY</b>                                       |              |                                                                                                                                                                                                                                                   |          |                                                                              |             |          |

**O. R. Tambo DISTRICT MUNICIPALITY****NYANDENI LOCAL MUNICIPALITY**

LIBODE WATER SUPPLY

Contract No.: ORTDM SCMU 11-26/27

SECTION 7: BULK STORAGE (STEEL RESERVOIR)

| ITEM NO.                     | PAYMENT REF.        | DESCRIPTION                                                                                                                                   | UNIT           | QTY  | RATE R | AMOUNT R |
|------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|------|--------|----------|
| <b>7</b>                     |                     | <b>SECTION 7: BULK STORAGE &amp; TREATMENT FACILITIES (STEEL RESERVOIRS &amp; PACKAGE PLANT)</b>                                              |                |      |        |          |
| <b>7,1</b>                   | <b>SABS 1200 C</b>  | <b>SITE CLEARANCE</b>                                                                                                                         |                |      |        |          |
| <b>7.1.1</b>                 | <b>8.2.1</b>        | <b>Clear and Grub:</b>                                                                                                                        |                |      |        |          |
| 7.1.1.1                      | 8.2.1               | Clear and grub reservoir site and dispose of surplus material approved waste dump site.                                                       | m <sup>2</sup> | 1800 |        |          |
| <b>7.1.2</b>                 | <b>8.3.1</b>        | <b>Remove Topsoil</b>                                                                                                                         |                |      |        |          |
| 7.1.2.1                      | 8.3.1( c )          | Remove topsoil to a depth of 150mm, stockpile and maintain for duration of contract, for later use, using mechanical excavation methods only. |                |      |        |          |
| 7.1.2.1.1                    |                     | For small works                                                                                                                               | m <sup>2</sup> | 550  |        |          |
| <b>7,2</b>                   | <b>SABS 1200 DA</b> | <b>EARTHWORKS (SMALL WORKS)</b>                                                                                                               |                |      |        |          |
| <b>7.2.1</b>                 |                     | <b>Bulk Excavation</b>                                                                                                                        |                |      |        |          |
| 7.2.1.1                      |                     | Excavation in earth to depths not exceeding 1 m deep, compacted to 95% MOD AASHTO and temporary stockpiling on site for re-use later          | m <sup>3</sup> | 10   |        |          |
| 7.2.1.2                      |                     | Cut to fill, compact to 95% MOD AASHTO                                                                                                        | m <sup>3</sup> | 10   |        |          |
| <b>7.2.2</b>                 |                     | <b>Restricted Excavation</b>                                                                                                                  |                |      |        |          |
| 7.2.2.1                      |                     | Restricted excavation in earth not exceeding 1 m depth                                                                                        |                |      |        |          |
| 7.2.2.1.1                    |                     | For foundations                                                                                                                               | m <sup>3</sup> | 7    |        |          |
| 7.2.2.2                      |                     | Extra-over for excavation in:                                                                                                                 |                |      |        |          |
| 7.2.2.2.1                    |                     | Intermediate material                                                                                                                         | m <sup>3</sup> | 2    |        |          |
| 7.2.2.2.2                    |                     | Hard rock                                                                                                                                     | m <sup>3</sup> | 1    |        |          |
| <b>7.2.3</b>                 |                     | <b>Earthfilling</b>                                                                                                                           |                |      |        |          |
| 7.2.3.1                      |                     | Filling with 150 mm thick G7 material imported from commercial source compacted to 95% Mod. AASHTO maximum density.                           |                |      |        |          |
| 7.2.3.1.1                    |                     | Under floors and foundations                                                                                                                  | m <sup>3</sup> | 138  |        |          |
| 7.2.3.2                      |                     | Filling with 100 mm thick river sand material imported from commercial source compacted to 90% Mod. AASHTO maximum density.                   |                |      |        |          |
| 7.2.3.2.1                    |                     | Under floors and foundations                                                                                                                  | m <sup>3</sup> | 16   |        |          |
| <b>7.2.4</b>                 |                     | <b>Soil Poisoning</b>                                                                                                                         |                |      |        |          |
| 7.2.4.1                      |                     | With insecticides under floors, etc.                                                                                                          | m <sup>2</sup> | 548  |        |          |
| <b>7,3</b>                   | <b>SABS 1200 GA</b> | <b>CONCRETE (SMALL WORKS)</b>                                                                                                                 |                |      |        |          |
| <b>7.3.1</b>                 |                     | <b>Unreinforced Concrete</b>                                                                                                                  |                |      |        |          |
| 7.3.1.1                      |                     | 15 Mpa/17mm Concrete                                                                                                                          | m <sup>3</sup> | 2    |        |          |
| <b>7.3.2</b>                 |                     | <b>Reinforced Concrete</b>                                                                                                                    |                |      |        |          |
| 7.3.2.1                      |                     | 30 MPa/17mm Concrete for:                                                                                                                     |                |      |        |          |
| 7.3.2.1.1                    |                     | Foundations and footings                                                                                                                      | m <sup>3</sup> | 98   |        |          |
| <b>7.3.3</b>                 |                     | <b>Concrete Tests</b>                                                                                                                         |                |      |        |          |
| 7.3.3.1                      |                     | Making and testing of a set of three 150 x 150 x 150mm concrete strength test cubes                                                           | No.            | 3    |        |          |
| <b>7.3.4</b>                 |                     | <b>Concrete Finishes</b>                                                                                                                      |                |      |        |          |
| <b>TOTAL CARRIED FORWARD</b> |                     |                                                                                                                                               |                |      |        |          |

**O. R. Tambo DISTRICT MUNICIPALITY****NYANDENI LOCAL MUNICIPALITY**

LIBODE WATER SUPPLY

Contract No.: ORTDM SCMU 11-26/27

SECTION 7: BULK STORAGE (STEEL RESERVOIR)

| ITEM NO.                                          | PAYMENT REF.        | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                           | UNIT           | QTY           | RATE R        | AMOUNT R |
|---------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|---------------|----------|
| BROUGHT FORWARD                                   |                     |                                                                                                                                                                                                                                                                                                                                                                                                                       |                |               |               |          |
| 7.3.4.1                                           |                     | <u>Unformed surface finishes</u>                                                                                                                                                                                                                                                                                                                                                                                      |                |               |               |          |
| 7.3.4.1.1                                         |                     | Smooth finish with steel float to surface beds, slabs, etc.                                                                                                                                                                                                                                                                                                                                                           | m <sup>2</sup> | 23            |               |          |
| 7.3.4.1.2                                         |                     | Rough finish with wood float to surface beds, slabs, etc.                                                                                                                                                                                                                                                                                                                                                             | m <sup>2</sup> | 91            |               |          |
| <b>7.3.5</b>                                      |                     | <b>Formwork</b>                                                                                                                                                                                                                                                                                                                                                                                                       |                |               |               |          |
|                                                   |                     | <u>Rough vertical to concealed surfaces:</u>                                                                                                                                                                                                                                                                                                                                                                          |                |               |               |          |
|                                                   |                     | Rough vertical to narrow widths to edges:                                                                                                                                                                                                                                                                                                                                                                             |                |               |               |          |
| 7.3.5.1                                           |                     | Edges up to 300 mm high                                                                                                                                                                                                                                                                                                                                                                                               | m              | 50            |               |          |
| 7.3.5.2                                           |                     | Forming 25 mm circular chamfer on foundations                                                                                                                                                                                                                                                                                                                                                                         | m              | 50            |               |          |
| <b>7.3.6</b>                                      |                     | <b>Reinforcement</b>                                                                                                                                                                                                                                                                                                                                                                                                  |                |               |               |          |
| 7.3.6.1                                           |                     | HT mild steel reinforcement to structural concrete members in bars of all diameters in ring beams, strip footings, etc.                                                                                                                                                                                                                                                                                               | t              | 1             |               |          |
| <b>7,4</b>                                        | <b>SABS 1200 HA</b> | <b>STRUCTURAL STEELWORK (SMALL WORKS)</b>                                                                                                                                                                                                                                                                                                                                                                             |                |               |               |          |
| 7.4.1                                             |                     | Supply and erect a prefabricated steel reservoir complete. Rate to include for all inlet and outlet pipes, overflow pipe, access lid, ladders, air vents, disinfecting, testing, commissioning, etc.                                                                                                                                                                                                                  |                |               |               |          |
| 7.4.1.1                                           |                     | 800 KI steel reservoir                                                                                                                                                                                                                                                                                                                                                                                                | Sum            | 1             | R1 002 750,00 |          |
| 7.4.2.2                                           |                     | Contractors mark-up on item 7.4.1.1 above                                                                                                                                                                                                                                                                                                                                                                             | %              | R1 002 750,00 |               |          |
| <b>7,5</b>                                        |                     | <b>WATER TREATMENT: PACKAGE PLANT</b>                                                                                                                                                                                                                                                                                                                                                                                 |                |               |               |          |
|                                                   |                     | Allow for all the costs and expenses in connection with the design, manufacture, supplying and installation, testing and commissioning of a Package Plant for the treatment of water meeting the minimum SANS 241: 2015 Drinking Water quality requirements, including inlet and outlet pipes, etc - Refer to Appendix H in Tender document for groundwater quality analysis results to be used for the Package Plant |                |               |               |          |
| 7.5.1                                             |                     | 1.0 MI Water Treatment Plant (Package)                                                                                                                                                                                                                                                                                                                                                                                | Sum            | 1             | R2 400 000,00 |          |
| 7.5.2                                             |                     | Contractors mark-up on item 7.5.1 above                                                                                                                                                                                                                                                                                                                                                                               | %              | R2 400 000,00 |               |          |
| <b>7,6</b>                                        |                     | <b>FENCING</b>                                                                                                                                                                                                                                                                                                                                                                                                        |                |               |               |          |
| <b>7.6.1</b>                                      |                     | <b>Perimeter Fencing</b>                                                                                                                                                                                                                                                                                                                                                                                              |                |               |               |          |
| 7.6.1.1                                           |                     | Supply and installation of High Security 2.4 m high clearvu fence with 76x12 Aperture or similar approved fence with 500 mm antibarrow and shark tooth spikes (both galvanised & marine fusion bond coated-acid modified)                                                                                                                                                                                             | m              | 160           |               |          |
| <b>7.6.2</b>                                      |                     | <b>Gates</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                |               |               |          |
| 7.6.2.1                                           |                     | Supply and install 3 m x 2.4 m heavy duty, Galvanized Mild Steel, double leaf vehicular gate including locks                                                                                                                                                                                                                                                                                                          | No             | 1             |               |          |
| <b>7,7</b>                                        |                     | <b>Guard House</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                |               |               |          |
| 7.7.1                                             |                     | Provide a security guard house complete with 6000 L conservancy tank, including furniture.                                                                                                                                                                                                                                                                                                                            | Prov Sum       | 1             | R 60 000,00   |          |
| 7.7.2                                             |                     | Contractors mark-up on item 7.7.1 above                                                                                                                                                                                                                                                                                                                                                                               | %              | R 60 000,00   |               |          |
| <b>SECTION 7 TOTAL CARRIED FORWARD TO SUMMARY</b> |                     |                                                                                                                                                                                                                                                                                                                                                                                                                       |                |               |               |          |

## O. R. TAMBO DISTRICT MUNICIPALITY

## NYANDENI LOCAL MUNICIPALITY

LIBODE WATER SUPPLY

Contract No.: ORTDM SCMU 11-26/27

SECTION 8: MECHANICAL WORKS

| ITEM NO.                     | PAYMENT REF. | DESCRIPTION                                                                                                                                                                                                   | UNIT | QTY | RATE R | AMOUNT R |
|------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|--------|----------|
| 8                            |              | <b>SECTION 8 : MECHANICAL &amp; ELECTRICAL WORKS</b>                                                                                                                                                          |      |     |        |          |
|                              |              | <b>Works to be executed and performed by Pump Supplier and/or Mechanical Subcontractor</b>                                                                                                                    |      |     |        |          |
| 8,1                          |              | <b>Submersible centrifugal borehole pumps, complete with motor, seals, coupling, etc: Supply, Install, Test &amp; Commission</b>                                                                              |      |     |        |          |
| 8.1.1                        |              | Borehole EC/T70/0780: Franklin SS624/31 6" wet end or similar approved), including 18.5kW 400V Franklin submersible motor with sleeve (if required), with duty-point 5.8 l/s at a differential head of 200 m. | No   | 1   |        |          |
| 8.1.2                        |              | 18.5kW 400V DOL Control Panel                                                                                                                                                                                 | No   | 1   |        |          |
| 8.1.3                        |              | Borehole EC/T70/0155: Franklin SVM240/35 4" wet end or similar approved, including 7.5kW 400V Franklin motor with sleeve (if required), with duty-point 2.5 l/s at a differential head of 160 m.              | No   | 1   |        |          |
| 8.1.4                        |              | 7.5kW 400V DOL Control Panel                                                                                                                                                                                  | No   | 1   |        |          |
| 8.1.5                        |              | Borehole EC/T70/0564: Franklin SS12/18 6" wet end or similar approved, including 9.2kW 400V Franklin motor with sleeve (if required), with duty-point 3.32 l/s at a differential head of 145 m.               | No   | 1   |        |          |
| 8.1.6                        |              | 9.2kW 400V DOL Control Panel                                                                                                                                                                                  | No   | 1   |        |          |
| 8.1.7                        |              | Borehole EC/T70/0012: Franklin SS624/25 6" wet end or similar approved, including 15kW 400V Franklin motor with sleeve (if required), with duty-point 6 l/s at a differential head of 175 m.                  | No   | 1   |        |          |
| 8.1.8                        |              | 15kW 400V DOL Control Panel                                                                                                                                                                                   | No   | 1   |        |          |
| 8.1.9                        |              | Borehole EC/T70/0013: Franklin SVM100/40 4" wet end or similar approved, including 3.7kW 400V Franklin motor with sleeve (if required), with duty-point 1 l/s at a differential head of 190 m.                | No   | 1   |        |          |
| 8.1.10                       |              | 3.7kW 400V DOL Control Panel                                                                                                                                                                                  | No   | 1   |        |          |
| 8.1.11                       |              | Borehole EC/T70/0158: Franklin SVM240/28 4" wet end or similar approved, including 5.5kW 400V Franklin motor with sleeve (if required), with duty-point 2.5 l/s at a differential head of 120 m.              | No   | 1   |        |          |
| 8.1.12                       |              | 5.5kW 400V DOL Control Panel                                                                                                                                                                                  | No   | 1   |        |          |
| 8.1.13                       |              | Borehole 04: Franklin SVM240/35 4" wet end or similar approved, including 7.5kW 400V Franklin motor with sleeve (if required), with duty-point 2.5 l/s at a differential head of 150 m.                       | No   | 1   |        |          |
| 8.1.14                       |              | 7.5kW 400V DOL Control Panel                                                                                                                                                                                  | No   | 1   |        |          |
| 8.1.15                       |              | Borehole 05: Franklin SVM240/35 4" wet end or similar approved, including 7.5kW 400V Franklin motor with sleeve (if required), with duty-point 2.5 l/s at a differential head of 164 m.                       | No   | 1   |        |          |
| 8.1.16                       |              | 7.5kW 400V DOL Control Panel                                                                                                                                                                                  | No   | 1   |        |          |
| 8.1.17                       |              | Borehole 3129CA00001: Franklin SVM150/31 4" wet end or similar approved, including 3.7kW 400V Franklin motor with sleeve (if required), with duty-point 1.67 l/s at a differential head of 135 m.             | No   | 1   |        |          |
| 8.1.18                       |              | 3.7kW 400V DOL Control Panel                                                                                                                                                                                  | No   | 1   |        |          |
| <b>TOTAL CARRIED FORWARD</b> |              |                                                                                                                                                                                                               |      |     |        |          |

## O. R. TAMBO DISTRICT MUNICIPALITY

## NYANDENI LOCAL MUNICIPALITY

LIBODE WATER SUPPLY

Contract No.: ORTDM SCMU 11-26/27

SECTION 8: MECHANICAL WORKS

| ITEM NO.              | PAYMENT REF. | DESCRIPTION                                                                                                                                                                                        | UNIT | QTY | RATE R | AMOUNT R  |
|-----------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|--------|-----------|
| BROUGHT FORWARD       |              |                                                                                                                                                                                                    |      |     |        |           |
| 8,2                   |              | Stainless Steel Bottom Adaptor                                                                                                                                                                     | No   | 9   |        | Rate only |
| 8,3                   |              | Cast Iron Top Adaptor (for specific borehole riser pipe material supplied)                                                                                                                         | No   |     |        |           |
| <b>8,4</b>            |              | <b>Base plate</b>                                                                                                                                                                                  |      |     |        |           |
| 8.4.1                 |              | 50mm Cast Iron Base Plate                                                                                                                                                                          | No   | 5   |        |           |
| 8.4.2                 |              | 32mm Cast Iron Base Plate                                                                                                                                                                          | No   | 1   |        |           |
| 8.4.3                 |              | 65mm Cast Iron Base Plate                                                                                                                                                                          | No   | 3   |        | Rate only |
| <b>8,5</b>            |              | <b>Borehole Riser Pipe</b>                                                                                                                                                                         |      |     |        |           |
| 8.5.1                 |              | Borehole Riser Pipe: PE100 PN12.5 STR13.6 HDPE 65 mm (OD)                                                                                                                                          | m    | 300 |        |           |
| 8.5.2                 |              | Borehole Riser Pipe: PE100 PN12.5 STR13.6 HDPE 50 mm (OD)                                                                                                                                          | m    | 500 |        |           |
| 8.5.3                 |              | Borehole Riser Pipe: PE100 PN12.5 STR13.6 HDPE 32 mm (OD)                                                                                                                                          | m    | 183 |        |           |
| 8.5.4                 |              | Borehole Riser Pipe: Boreline (as an alternative to 8.5 above)                                                                                                                                     | m    |     |        |           |
| <b>8,6</b>            |              | <b>Stainless Steel rope (to secure pump)</b>                                                                                                                                                       | m    |     |        |           |
| <b>8,7</b>            |              | <b>Pipes and fittings to be supplied and installed in Borehole Chambers (No5 x Borehole Chambers)</b>                                                                                              |      |     |        |           |
| 8.7.1                 |              | <b>Allow for all costs for valves, fittings, and pipework, etc all as specified, depicted and listed on drawing 2512-LIB-C-D-001 : Pump House and Borehole Chamber Details</b>                     | Sum  | 1   |        |           |
| <b>8,8</b>            |              | <b>LV CABLES, INSTRUMENTATION CONTROL AND DATA CABLES</b>                                                                                                                                          |      |     |        |           |
|                       |              | <b>Submersible cable</b>                                                                                                                                                                           |      |     |        |           |
| 8.8.1                 |              | 16mm x 4-Core Aquaverne submersible cable                                                                                                                                                          | m    | 185 |        |           |
| 8.8.2                 |              | 6mm x 4-Core Aquaverne submersible cable                                                                                                                                                           | m    | 632 |        |           |
| 8.8.3                 |              | 10mm x 4-Core Aquaverne submersible cable                                                                                                                                                          | m    | 163 |        |           |
| 8.8.4                 |              | 4mm x 4-Core Aquaverne submersible                                                                                                                                                                 | m    | 193 |        |           |
| 8.8.5                 |              | 2.5mm x 4-Core Aquaverne submersible                                                                                                                                                               | m    | 261 |        |           |
| 8.8.6                 |              | Submersible Electrical Cable Joint                                                                                                                                                                 | No   | 9   |        |           |
| 8.8.7                 |              | Electrical supply cables between DB and control panel.                                                                                                                                             | m    | 60  |        |           |
| 8.8.8                 |              | Duct for sensor cables: PE100 PN6 HDPE 32 mm (OD)                                                                                                                                                  | m    | 450 |        |           |
|                       |              | <b>Allow for all the costs and expenses in connection with the supply and installation (including testing, factory acceptance testing) of the following materials and equipment:</b>               |      |     |        |           |
|                       |              | <b>Instrumentation Power cable Cu/PVC Insulated/PVC Bedded/SWA/PVC Sheathed 600/1000V multicore with stranded conductors. Cable fixed to cable tray, drawn into sleeves or laid into trenches.</b> |      |     |        |           |
| 8.8.9                 |              | 2.5mm <sup>2</sup> x 3 core                                                                                                                                                                        | m    | 225 |        |           |
| TOTAL CARRIED FORWARD |              |                                                                                                                                                                                                    |      |     |        |           |

**O. R. TAMBO DISTRICT MUNICIPALITY**
**NYANDENI LOCAL MUNICIPALITY**

LIBODE WATER SUPPLY

Contract No.: ORTDM SCMU 11-26/27

SECTION 8: MECHANICAL WORKS

| ITEM NO.                                   | PAYMENT REF. | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UNIT           | QTY | RATE R       | AMOUNT R |
|--------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----|--------------|----------|
| BROUGHT FORWARD                            |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |     |              |          |
| 8.8.10                                     |              | Terminations for Instrumentation Power cable Cu/PVC Insulated/PVC Bedded/SWA/PVC Sheathed 600/1000V multicore with stranded conductors.<br>2.5mm <sup>2</sup> x 3 core                                                                                                                                                                                                                                                                                            | No             | 9   |              |          |
| 8.8.11                                     |              | Extra low voltage instrumentation cable fixed to cable tray, drawn into sleeves or power skirting.                                                                                                                                                                                                                                                                                                                                                                |                |     |              |          |
| 8.8.11.1                                   |              | 1.5mm <sup>2</sup> 1-pair                                                                                                                                                                                                                                                                                                                                                                                                                                         | m              | 225 |              |          |
| 8.8.12                                     |              | Terminations for Extra low voltage instrumentation cable<br>1.5mm <sup>2</sup> 1-pair                                                                                                                                                                                                                                                                                                                                                                             | No             | 9   |              |          |
| 8.8.13                                     |              | Allow for all costs and expenses in connection with all other required electrical cables to DB, control panel and in Pump House / Borehole Chamber Details not covered in 8.8.1 to 8.8.12 above                                                                                                                                                                                                                                                                   | Sum            | 1   |              |          |
| 8,9                                        |              | <b>EARTHWORKS (CABLE AND DUCT TRENCHES)</b><br><br>Excavate and set excavated material aside for re-use as filling for cable or sleeve trench not exceeding 1m deep                                                                                                                                                                                                                                                                                               |                |     |              |          |
| 8.9.1                                      |              | In all material                                                                                                                                                                                                                                                                                                                                                                                                                                                   | m <sup>3</sup> | 12  |              |          |
| 8.9.2                                      |              | Bedding material imported from off-site source (provisional)                                                                                                                                                                                                                                                                                                                                                                                                      | m <sup>3</sup> | 15  |              |          |
| 8.9.3                                      |              | Danger tape - 400 mm wide overlapping                                                                                                                                                                                                                                                                                                                                                                                                                             | m              | 450 |              |          |
| 8.10                                       |              | <b>INSTRUMENTATION</b><br><br>Allow for all the costs and expenses in connection with the design, manufacture, painting, supplying and installation of the following materials and equipment:<br><br>Hydrostatic Level Transmitter complete including sensors, transmitters, mounting materials and stands as required.                                                                                                                                           |                |     |              |          |
| 8.10.1                                     |              | Supply and Install                                                                                                                                                                                                                                                                                                                                                                                                                                                | No             | 9   |              |          |
| 8.10.2                                     |              | Flow Switch complete including mounting materials and stands as required.                                                                                                                                                                                                                                                                                                                                                                                         |                |     |              |          |
| 8.10.2                                     |              | Supply and Install                                                                                                                                                                                                                                                                                                                                                                                                                                                | No             | 9   |              |          |
| 8.10.3                                     |              | Pre-Commissioning Tests                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sum            | 1   |              |          |
| 8,11                                       |              | <b>Miscellaneous work</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |     |              |          |
| 8.11.1                                     |              | Install water depth monitoring probes in all boreholes (All Boreholes)                                                                                                                                                                                                                                                                                                                                                                                            | Sum            | 1   |              |          |
| 8,12                                       |              | <b>Overhead electrical power supply extension - Power Line</b><br><br>Allow for all the costs and expenses in connection with an overhead electrical power extension from existing boreholes with electric supply to new boreholes with no electric supply (Rate to include all cost, i.e. Overhead line conductor, Treated wooden support poles, Line Hardware & Accessories, Protection & Safety, Accessories for connection at both connecting boreholes, etc) |                |     |              |          |
| 8.12.1                                     |              | 1 Km Overhead extension line                                                                                                                                                                                                                                                                                                                                                                                                                                      | Prov Sum       | 1   | R 480 000,00 |          |
| 8.12.2                                     |              | Contractors mark-up on item 8.12.1 above                                                                                                                                                                                                                                                                                                                                                                                                                          | %              | R - |              |          |
| SECTION 8 TOTAL CARRIED FORWARD TO SUMMARY |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |     |              |          |

**O. R. Tambo DISTRICT MUNICIPALITY****NYANDENI LOCAL MUNICIPALITY**

LIBODE WATER SUPPLY

**Contract No.: ORTDM SCMU 11-26/27****SECTION 9: REFURBISHMENTS OF EXISTING SERVICES**

| ITEM NO.                     | PAYMENT REF. | DESCRIPTION                                                                                                                                                                                                               | UNIT           | QTY        | RATE R | AMOUNT R  |
|------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|--------|-----------|
| <b>9</b>                     |              | <b>SECTION 9: REFURBISHMENT TO EXISTING</b>                                                                                                                                                                               |                |            |        |           |
| <b>9.1</b>                   |              | <b>Reservoir 01 &amp; 02</b>                                                                                                                                                                                              |                |            |        |           |
|                              |              | Site Development - Miscellaneous (Block Retaining Walls) Dry Laid Concrete Block Retaining Wall Patented Earth Retaining Systems                                                                                          |                |            |        |           |
| 9.1.1                        |              | <b>Terraforce Precast Concrete Blocks</b>                                                                                                                                                                                 |                |            |        |           |
| 9.1.1.1                      |              | L15 blocks (smooth face)                                                                                                                                                                                                  | m <sup>2</sup> | 200        |        |           |
| <b>9.1.2</b>                 |              | <b>Excavation for concrete bases for earth retaining systems</b>                                                                                                                                                          |                |            |        |           |
| 9.1.2.1                      |              | (i) In soft material                                                                                                                                                                                                      | m <sup>3</sup> | 50         |        |           |
| 9.1.2.2                      |              | (ii) Extra over subitem (a) above for excavation in hard material                                                                                                                                                         | m <sup>3</sup> | 25         |        |           |
| 9.1.2.3                      |              | (iii) Base preparation and compaction to minimum of 90% of modified AASHTO maximum density                                                                                                                                | m <sup>2</sup> | 100        |        |           |
| <b>9.1.3</b>                 |              | <b>Concrete bases for earth retaining systems</b>                                                                                                                                                                         |                |            |        |           |
| 9.1.3.1                      |              | (i) Class 20MPa/20 concrete footings including formwork and 80 kg/m <sup>3</sup> of reinforcement, to manufacturers detail                                                                                                | m <sup>3</sup> | 15         |        |           |
| <b>9.1.4</b>                 |              | <b>FENCING</b>                                                                                                                                                                                                            |                |            |        |           |
| <b>9.1.4.1</b>               |              | <b>Perimeter Fencing</b>                                                                                                                                                                                                  |                |            |        |           |
| 9.1.4.1.1                    |              | Supply and installation of High Security 2.4 m high clearvu fence with 76x12 Aperture or similar approved fence with 500 mm antibarrow and shark tooth spikes (both galvanised & marine fusion bond coated-acid modified) | m              | 100        |        |           |
| <b>9.1.4.2</b>               |              | <b>Gates</b>                                                                                                                                                                                                              |                |            |        |           |
| 9.1.4.2.1                    |              | Supply and install 3 m x 2,4 m heavy duty, Galvanized Mild Steel, double leaf vehicular gate including locks                                                                                                              | No             | 1          |        |           |
| 9.1.5                        |              | Landscaping                                                                                                                                                                                                               | Prov Sum       | 1          | R      | 9 500,00  |
| 9.1.6                        |              | Refurbishment of existing structures                                                                                                                                                                                      | Prov Sum       | 1          | R      | 25 000,00 |
| 9.1.7                        |              | Re-arrangement of pipework and new MH                                                                                                                                                                                     | Prov Sum       | 1          | R      | 35 000,00 |
| 9.1.8                        |              | Contractors mark-up on item 9.1.5 to 9.1.7 above                                                                                                                                                                          | %              | R69 500,00 |        |           |
| <b>9.1.5</b>                 |              | <b>Reservoir 03</b>                                                                                                                                                                                                       |                |            |        |           |
| <b>9.1.5.1</b>               |              | <b>Perimeter Fencing</b>                                                                                                                                                                                                  |                |            |        |           |
| 9.1.5.1.1                    |              | Supply and installation of High Security 2.4 m high clearvu fence with 76x12 Aperture or similar approved fence with 500 mm antibarrow and shark tooth spikes (both galvanised & marine fusion bond coated-acid modified) | m              | 100        |        |           |
| <b>9.1.5.1.2</b>             |              | <b>Gates</b>                                                                                                                                                                                                              |                |            |        |           |
| 9.1.5.1.2.1                  |              | Supply and install 3 m x 2,4 m heavy duty, Galvanized Mild Steel, double leaf vehicular gate including locks                                                                                                              | No             | 1          |        |           |
| <b>TOTAL CARRIED FORWARD</b> |              |                                                                                                                                                                                                                           |                |            |        |           |

**O. R. Tambo DISTRICT MUNICIPALITY****NYANDENI LOCAL MUNICIPALITY**

LIBODE WATER SUPPLY

**Contract No.: ORTDM SCMU 11-26/27****SECTION 9: REFURBISHMENTS OF EXISTING SERVICES**

| ITEM<br>NO.                                       | PAYMENT<br>REF. | DESCRIPTION                                                                                                           | UNIT        | QTY       | RATE<br>R   | AMOUNT<br>R |
|---------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------|-------------|-----------|-------------|-------------|
| BROUGHT FORWARD                                   |                 |                                                                                                                       |             |           |             |             |
| <b>9.1.6</b>                                      |                 | <b>Borehole 03</b>                                                                                                    |             |           |             |             |
| 9.1.6.1                                           |                 | Refurbish vandalised pumphouse                                                                                        | Prov<br>Sum | 1         | R 50 000,00 |             |
| 9.1.6.2                                           |                 | Contractors mark-up on item 9.1.6.1 above                                                                             | %           |           |             |             |
| 9.1.6.3                                           |                 | Provide a security guard house complete with conservancy tank, including furniture as per Drawing 2512-LIB-C-D-003-00 | Prov<br>Sum | 1         | R 80 000,00 |             |
| 9.1.6.4                                           |                 | Contractors mark-up on item 9.1.6.3 above                                                                             | %           | 80 000,00 |             |             |
| <b>SECTION 9 TOTAL CARRIED FORWARD TO SUMMARY</b> |                 |                                                                                                                       |             |           |             |             |

**O. R. Tambo DISTRICT MUNICIPALITY****NYANDENI LOCAL MUNICIPALITY****LIBODE WATER SUPPLY****Contract No.: ORTDM SCMU 11-26/27****SUMMARY**

| <b>SECTION</b>             | <b>DESCRIPTION</b>                 | <b>AMOUNT (R)</b> |
|----------------------------|------------------------------------|-------------------|
| 1                          | Preliminary and General Items      |                   |
| 2                          | Site Clearance                     |                   |
| 3                          | Earthworks (Pipe Trenches)         |                   |
| 4                          | Bedding (Pipes)                    |                   |
| 5                          | Medium Pressure Pipelines          |                   |
| 6                          | Borehole Kiosk                     |                   |
| 7                          | Bulk storage                       |                   |
| 8                          | Mechanical and Electrical Works    |                   |
| 9                          | Refurbishment of Existing Services |                   |
| <b>SUB-TOTAL 01</b>        |                                    |                   |
| ADD: 5% FOR CONTINGENCIES  |                                    |                   |
| <b>SUB-TOTAL 02</b>        |                                    |                   |
| ADD: VAT @ 15%             |                                    |                   |
| <b>TOTAL FORM OF OFFER</b> |                                    |                   |

SIGNED BY/ON BEHALF OF TENDERER

NAME

SIGNATURE

DATE