

**1. Guideline for Terms of reference**

*This tender is for a Panel for the supply of Water Service Plumbing Supplies and Hand Tools and Electrical Tools for a period of Three Years*

## **A. Background**

Moqhaka Local Municipality as both Water authority and Water services provider and is governed by both National Water Act, 1998 (Act No. 36 of 1998) and Water Services Act, 1997 (Act No. 108 of 1997). The municipality purifies its own drinking water and supply water to the community, and other services are the maintenance of water and sewerage networks. For the services to be rendered, water and sewerage material and other fittings available.

## **B. Scope of work/ Terms Reference**

### **Service provider must:**

1. Supply water and sewerage plumbing material
2. Supply tools and other equipment
3. Supply fabricated fittings that are not stock items as and when required
4. Supply steel pipes and fittings as and when required

Tender prices to be fixed for the first twelve (12) months and escalation will be provided for as per the Service Level Agreement (SLA) from the second (2<sup>nd</sup>) year.

## **C. Panel**

In this panel, the municipality will appoint service providers who scored the highest points scored in terms of preferential Procurement Policy.

## **D. Sourcing of Quotations**

Quotations will be requested only from the service providers appointed on the panel on a rotational basis to ensure all service providers appointed on the panel have an opportunity of being selected during the contact period.

Should all service providers on the Panel not be in a supply the service within the desired timeframes, the municipality will deem it necessary to invite quotations outside the appointed panel.

The municipality will derive rate from the prices submitted by the successful bidders. This flat rate will be offered to the bidders through a negotiation process. This will assist the municipality with a fair and equitable process of rotation. This will also prohibit the municipality from paying more for the same product between service providers on the panel.

### **E. Performance Management**

In terms of Section 116 (2) of the MFMA, the municipality is required by Law to monitor the performance of service providers on a monthly basis in line performance areas as stipulated in the Service Level Agreement (SLA). The monitoring of panels will be done as and when their services are utilized.

### **F. Preferential Points System**

Indicate whether the tender will be evaluated in terms of 80/20 below a 50 million and 90/10 above 50 million.

80/20

A maximum of 20 points (80/20 preference points system), will be allocated for specific goals.

80 – Price

20 – Specific Goals (Locality = 15, Women = 5)

### **G. Duration of the Contact**

State how long the contract will take

3 Years

## **1. WATER METERS**

### **1.1 WATER METER UNITS (Sizes 15mm, 20mm, 25mm 32mm)**

Water meters should conform to the standard specifications of the SANS 1529-1994 and section 18 of the act on Trade Metrology (Act 77 of 1973) and regulation 80 of section II of the Trade Metrology regulations All meters should be pre tested and sealed at an approved test facility by an authorized technician and conform to the following performance specification:

- Should function on a rotary piston principle
- Should conform to class C standards of accuracy and should not be affected by the angle at which it is installed.
- Should have a mesh screen on the inlet side to prevent the intrusion of any foreign matter into the metering mechanism
- Should be mechanical driven to prevent magnetic influence on the reading

- Piston should function at low revolutions so as to limit wear and tear
- Counter should be easily readable from the inlet side of the meter
- Counter should be such that a reading of 0.1 liter can be taken to enable accurate test and calibration results
- Counter window should be no less than 7mm thick and should be of such material that it cannot be penetrated by heated or sharp objects that can affect the counter function so as to allow uncontrolled flow of water
- Body should be made of brass or a suitable alternative polymer composition with a nil scrap metal value and should be able to function at a maximum temperature of 50<sup>0</sup>C and a pressure of 1600 kPa
- Should have a wet dial assembly
- A maximum pressure drop over the meter not exceeding 100 kPa
- Meter should have a guarantee of at least one year regarding material and workmanship
- Should have an internal non-return valve to prevent change around of meter to obtain free water.
- Meters to be supplied with a pulse facility
- Keys, where relevant for meter boxes should be provided with meters

| SIZE  | TYPE              | Rate only |
|---|-------------------|-----------|
| 15mm  | Brass             |           |
|   | Plastic / Polymer |           |
| Meter in box complete with three way valve, consumer stop valve, fusion welded manifold and push fit or compression fittings for connection to 20mm Hdpe pipe |                   |           |
| 20mm  | Brass             |           |
|   | Plastic / Polymer |           |
| Meter in box complete with three way valve, fusion welded manifold and push fit or compression fittings for connection to 25mm Hdpe pipe                      |                   |           |
| 25mm  | Brass             |           |
|   | Plastic / Polymer |           |
| 32mm  | Brass             |           |

**Price excluding VAT**

**1.1.1. PLASTIC, OR SIMILAR MATERIAL METER BOXES ONLY TO ACCOMMODATE WATER METER UNITS AS ABOVE**

| SIZE | TYPE                             | Rate only |
|------|----------------------------------|-----------|
| 15mm | Plastic / Polymer / carbon fiber |           |
| 20mm | Plastic / Polymer / carbon fiber |           |

Keys for meter boxes, where relevant, should be provided

**(Excluding VAT)**

### 1.2 BULK WATER METER UNITS (Sizes 32mm and above)

Water meters should conform to the standard specifications of the SANS 1529-1994 and section 18 of the act on Trade Metrology (Act 77 of 1973) and regulation 80 of section II of the Trade Metrology regulations All meters should be pre tested and sealed at an approved test facility by an authorized technician and conform to the following performance specification:

- Can be inline turbine type / multi-jet type
- Hermetically sealed dry dial register
- Removable mechanism
- Class B performance
- Tough scratch resistant glass window
- Epoxy coated body
- Protected magnetic drive shielded from external magnetic fields
- Include pulse facility

| SIZE  | TYPE                      | Rate only |
|-------|---------------------------|-----------|
| 32mm  | CI / ALLOY (epoxy coated) |           |
| 40mm  | CI / ALLOY (epoxy coated) |           |
| 50mm  | CI / ALLOY (epoxy coated) |           |
| 80mm  | CI / ALLOY (epoxy coated) |           |
| 125mm | CI / ALLOY (epoxy coated) |           |
| 150mm | CI / ALLOY (epoxy coated) |           |
| 200mm | CI / ALLOY (epoxy coated) |           |

|       |                           |  |
|-------|---------------------------|--|
| 250mm | CI / ALLOY (epoxy coated) |  |
| 300mm | CI / ALLOY (epoxy coated) |  |
| 350mm | CI / ALLOY (epoxy coated) |  |

**(Excluding VAT)**

### 1.3 INLINE COMBINATION METER UNITS (Sizes 50, 80, 100, 150 mm with 20 mm by-pass insert)

Water meters should conform to the standard specifications of the SANS 1529-1994 and section 18 of the act on Trade Metrology (Act 77 of 1973) and regulation 80 of section II of the Trade Metrology regulations All meters should be pre tested and sealed at an approved test facility by an authorized technician and conform to the following performance specification:

- Main meter – Turbine type bulk flow meter to class B Accuracy – Main Meter (50, 80,100 mm) secondary meter 20 mm
- Low flow measurement of bypass meter to class D Accuracy
- 15 liters per hour lowest q/min
- Service should be possible in situ without removing from installation
- Changeover valve should be easily accessible for service
- Pulse output facility on both meters to be included as standard (not to be purchased separately)
- Compact in-line construction
- Internal non-return mechanism
- Metering insert should be removable / replaceable
- Should make provision for a pressure tapping on the main meter

| SIZE           | TYPE                      | Rate only |
|----------------|---------------------------|-----------|
| 50 mm x 20 mm  | CI / ALLOY (epoxy coated) |           |
| 80 mm x 20 mm  | CI / ALLOY (epoxy coated) |           |
| 100 mm x 20 mm | CI / ALLOY (epoxy coated) |           |
| 150 mm x 20 mm | CI / ALLOY (epoxy coated) |           |

**(Excluding VAT)**

### 1.4 HYBRID METER UNITS (Sizes 40, 50, 80, 100, 150 mm)

Water meters should conform to the standard specifications of the SANS 1529-1994 and section 18 of the act on Trade Metrology (Act 77 of 1973) and regulation 80 of section II of the Trade Metrology regulations All meters should be pre tested and sealed at an approved test facility by an authorized technician and conform to the following performance specification:

- Meter body size should be such that it can be fitted into existing installation without the need to change pipe work during replacements.
- Turbine type flow meter to class C Accuracy with a wide measuring range to be used in the similar application as a combination meter.
- Should have a large clear display.
- Meter should have an electronic hermetically sealed, mineral glass register to prevent moisture ingress.

- Should provide real time flow rate on indicator.
- The electronic counter should provide output signals without the need for additional pick-ups.
- The meter should be available with an integrated communication cable for data logging.
- Metering insert should be removable / replaceable
- Counter should indicate both volume and flow rate on electronic digital counter.
- Register should have an internal battery with a typical lifetime of a ±15 years.
- Meter should come with a standard pulse facility

| SIZE   | TYPE                      | Rate only |
|--------|---------------------------|-----------|
| 40 mm  | CI / ALLOY (epoxy coated) |           |
| 50 mm  | CI / ALLOY (epoxy coated) |           |
| 80 mm  | CI / ALLOY (epoxy coated) |           |
| 100 mm | CI / ALLOY (epoxy coated) |           |
| 150 mm | CI / ALLOY (epoxy coated) |           |

**(Excluding VAT)**

### **1.5 INLINE STRAINERS FOR BULK METES (Sizes 40, 50, 80, 100, 150 mm)**

- Inline strainers to fit onto bulk meters to protect internal mechanism from debris during pipe bursts and maintenances.
- Strainer to be in CI / alloy epoxy coated body similar to meter.
- Strainer should be removable without removing from pipe work.

| SIZE   | TYPE                      | Rate only |
|--------|---------------------------|-----------|
| 40 mm  | CI / ALLOY (epoxy coated) |           |
| 50 mm  | CI / ALLOY (epoxy coated) |           |
| 80 mm  | CI / ALLOY (epoxy coated) |           |
| 100 mm | CI / ALLOY (epoxy coated) |           |
| 150 mm | CI / ALLOY (epoxy coated) |           |

**(Excluding VAT)**

## 1.6 WATER METER UNITS WITH FLOW CONTROL

Water meters should conform to the standard specifications of the SANS 1529-1:1994 All meters shall be pre tested and sealed at an approved test facility by an authorized technician and conform to the following performance specification:

- Meter must be a Class B inferential (Multi-jet) meter for cold water and should conform
- Meter must be a self-contained unit that can be coaxially mounted onto a manifold on a workstation (Meter box unit) that includes a manifold for this purpose.
- A measuring cartridge should have a strainer as integral part thereof
- Meter cartridge should be of a throw away unit that can only be removed with the help of special tools.
- The whole system should be incorporated in a “workstation” conforming to SANS 558 specifications regarding load test requirements.
- The workstation must be below ground with a minimum depth of 300mm
- Workstation should be contain a manifold to accommodate the meter cartridge and should include a ¼” turn stop valve that can be repaired in-situ
- The manifold should make provision to be fitted with easily identifiable flow control restrictors of various sizes that can be installed in such a way that it forms an integral part of the system, is easily accessible with the use of special tools and is sealed to prevent tampering.
- The inlet and outlet should be ¾” BSP female threaded connections, push fit or compression fittings. The type off connections required will be indicated at the time of ordering
- *All special tools are to be supplied by the tenderer at a rate of 1 set of tools per x amount of meters.*
- All SANS test certificates and approval documentation should be attached

| SIZE                           | TYPE / ITEM   | Rate only |
|--------------------------------|---|-----------|
| 15mm                           | Meter Cartridge   |           |
| Workstation / meter box        |   |           |
| For single meter               | Unit including manifold, stop valve and fittings                            |           |
| Additional flow control discs. | Various sizes for different flow rates                                      |           |
|                                | Variable: size to vary according to pressure in system delivering 10ℓ / min |           |

**(Excluding VAT)**

**2. PIPES AND FITTINGS FOR THE REPLACEMENT OF ASBESTOS CEMENT PIPES**

**Note:** Due to new legislation and the phasing out of AC pipes suitable compatible alternatives for replacement of existing AC pipes is required. Full technical specifications and detail must be provided with tender.

**2.1 ASBESTOS CEMENT COMPATIBLE / REPLACEMENT PRESSURE PIPES (TO SPECIFY PVC / HDPE, STEEL)**

Pipes shall conform to SANS specification 286-2969 or 946-1969 where applicable and shall carry the mark of approval of SANS. Each pipe shall be complete with one joint of an approved design of which full particulars must be submitted with the tender. Preference shall be given to pipes with 100% local content.

| SIZE OF PIPE | PRICE PER METER INCLUDING ONE JOINT PER PIPE |                |                 |                |                 |                |
|--------------|--|----------------|-----------------|----------------|-----------------|----------------|
|              | CLASS 12<br>CID                              | PIPE<br>LENGTH | CLASS 18<br>CID | PIPE<br>LENGTH | CLASS 24<br>CID | PIPE<br>LENGTH |
| 200 mm       |  |                |                 |                |                 |                |
| 250 mm       |  |                |                 |                |                 |                |
| 300 mm       |  |                |                 |                |                 |                |
| 350 mm       |  |                |                 |                |                 |                |
| 400 mm       |  |                |                 |                |                 |                |
| 500 mm       |  |                |                 |                |                 |                |
| 600 mm       |  |                |                 |                |                 |                |

Do the pipes tendered for carry the mark of approval of the SANS.....

What is the local content of the pipes expressed as a percentage of your tendered prices.....

Discount for settlement within 30 days of your statement .....

**(Excluding VAT)**.....

**2.2 CAST IRON DETACHABLE SHORT COLLAR JOINTS**

Cast iron detachable short collar joints for the connection of existing asbestos cement pressure pipes during repairs are required with rubber rings and bolts and nuts in the following sizes. Preference will be given to joints manufactured with 100% local content. Cast iron collars are to be used to connect existing AC pipes to uPVC pipes with uPVC adaptors

| NOMINAL SIZE | PRICE EACH OF CAST IRON DETACHABLE SHORT COLLAR JOINTS INCLUDING RUBBER RINGS, BOLTS AND NUTS / <b>Rate only</b> |          |          |
|--------------|--|----------|----------|
|              | CLASS 12   | CLASS 18 | CLASS 24 |
| 75 mm COD    |  |          |          |
| 100 mm COD   |  |          |          |
| 150 mm COD   |  |          |          |
| 150 mm CID   |  |          |          |
| 200 mm CID   |  |          |          |
| 250 mm CID   |  |          |          |
| 300 mm CID   |  |          |          |
| 350 mm CID   |  |          |          |
| 400 mm CID   |  |          |          |
| 500 mm CID   |  |          |          |
| 600 mm CID   |  |          |          |

Do the fittings tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of your tendered prices.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

**3 PLASTIC PRESSURE PIPING**

**3.1 POLYETHYLENE**

High-density polyethylene piping is required for domestic water connections and shall conform to SANS specification 533, type IV. All piping shall carry the mark of approval of the SANS. Preference shall be given to piping manufactured with a 100% local content.

| OUTSIDE DIA<br>(In mm) | PRICE PER METER / <b>Rate only</b> |          |          | LENGTH OF<br>ROLLS |
|------------------------|------------------------------------|----------|----------|--------------------|
|                        | CLASS 6                            | CLASS 10 | CLASS 12 |                    |
| 20                     |                                    |          |          |                    |
| 25                     |                                    |          |          |                    |
| 32                     |                                    |          |          |                    |
| 40                     |                                    |          |          |                    |
| 50                     |                                    |          |          |                    |
| 63                     |                                    |          |          |                    |
| 75                     |                                    |          |          |                    |
| 90                     |                                    |          |          |                    |
| 110                    |                                    |          |          |                    |

Do the piping tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of your tendered price.....

Discount for settlement within 30 days of date of your statement.....

**(Excluding VAT)**.....

3.2 FITTINGS FOR HIGH DENSITY POLYETHYLENE PRESSURE PIPING (TYPE iv)

Price per fitting / **Rate only**

| TYPE                   | CODE | 20 mm    | 25 mm    | 32 mm    | 40 mm    | 50 mm    | 63 mm    | 75 mm |
|------------------------|------|----------|----------|----------|----------|----------|----------|-------|
| DOUBLE ENDED COUPLINGS | 7010 |          |          |          |          |          |          |       |
| 90° ELBOWS             | 7050 |          |          |          |          |          |          |       |
| 90° EQUAL T-PIECES     | 7040 |          |          |          |          |          |          |       |
| FEMALE BSP ADAPTERS    | 7030 | 20x ½"   | 20X¾"    | 20X 1"   | 25X¾"    | 25X1"    | 32X¾"    | 32x1" |
| MALE BSP ADAPTERS      | 7020 | 20X½"    | 20X¾"    | 20X 1"   | 25X¾"    | 25X1"    | 32x¾"    | 32x1" |
| FEMALE 90° BSP ELBOWS  | 7150 | 20X½"    | 20X¾"    | 25x¾"    | 25x1"    | 32x¾"    | 32x1"    | 50x2" |
| MALE 90° BSP ELBOWS    | 7850 | 20X½"    | 20X¾"    | 25X¾"    | 25X1"    | 32X¾"    | 32X1"    | 50X2" |
| REDUCING TEE           | 7340 | 25X20X25 | 32X25X32 | 40X32X40 | 50X40X50 | 63X50X63 | 75X63X75 |       |
| REDUCING COUPLING      | 7110 | 25X20    | 32X20    | 32X25    | 40x25    | 50X40    | 75X50    |       |
| FLANGED ADAPTER        | 7220 | 50X1½"   | 50X2"    | 63X2"    | 75X2½"   | 90X3"    | 90X4"    |       |

Do the above fittings carry the mark of approval of the SANS.....

Are the fittings manufactured locally? State content .....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

3.3 GALVANISED FITTINGS

Price per fitting / **Rate only**

| TYPE                   | 15 mm | 20 mm | 25 mm | 32 mm | 40 mm | 50 mm |
|------------------------|-------|-------|-------|-------|-------|-------|
| Galvanised nipples     |       |       |       |       |       |       |
| Galvanised Sockets     |       |       |       |       |       |       |
| Galvanised Unions      |       |       |       |       |       |       |
| Galvanised elbows      |       |       |       |       |       |       |
| M & F Galvanised bends |       |       |       |       |       |       |

Do the above fittings carry the mark of approval of the SANS.....

Are the fittings manufactured locally? State content .....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

**4 RIGID uPVC PIPES AND FITTINGS FOR WATER DISTRIBUTION / Rate only**

**4.1 uPVC PIPES**

Rigid PVC pressure pipes shall conform either to SANS specification 966 or ISO-4422-1990 as manufactured by SAPPMA members

Each pipe shall be complete with an integrally moulded reinforced socket and rubber seal ring. (Price per meter)

| OUTSIDE DIA | CLASS 6 |     | CLASS 9 |     | CLASS 12 |     | CLASS 16 |     |
|-------------|---------|-----|---------|-----|----------|-----|----------|-----|
|             | SANS    | ISO | SANS    | ISO | SANS     | ISO | SANS     | ISO |
| 50 mm       |         |     |         |     |          |     |          |     |
| 63 mm       |         |     |         |     |          |     |          |     |
| 75 mm       |         |     |         |     |          |     |          |     |
| 90 mm       |         |     |         |     |          |     |          |     |
| 110 mm      |         |     |         |     |          |     |          |     |
| 160 mm      |         |     |         |     |          |     |          |     |
| 200 mm      |         |     |         |     |          |     |          |     |
| 250 mm      |         |     |         |     |          |     |          |     |
| 315 mm      |         |     |         |     |          |     |          |     |
| 355 mm      |         |     |         |     |          |     |          |     |

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered price.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT).....**

4.2 uPVC PRESSURE BENDS WITH INTEGRALLY MOULDED REINFORCED SOCKET COMPLETE WITH RUBBER SEAL RINGS (CLASS 16)

| DIAMETER | BEND ANGLE |        |     |     |
|----------|------------|--------|-----|-----|
|          | 11,25°     | 22,50° | 45° | 90° |
| 50 mm    |            |        |     |     |
| 63 mm    |            |        |     |     |
| 75 mm    |            |        |     |     |
| 90 mm    |            |        |     |     |
| 110 mm   |            |        |     |     |
| 160 mm   |            |        |     |     |
| 200 mm   |            |        |     |     |

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered prices.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

4.3 EQUAL AND UNEQUAL TEES

Tees shall be suitable for use with uPVC pressure pipes and be complete with three rubber rings. Extruded and not glued fittings are preferred.  
**Aluminum-based material is strictly not acceptable.**

| DIAMETER |        | PRICE EACH |
|----------|--------|------------|
| MAIN     | BRANCH | CAST IRON  |
| 110      | 110    |            |
| 160      | 160    |            |
| 160      | 110    |            |
| 200      | 200    |            |
| 200      | 110    |            |
| 200      | 160    |            |
| 250      | 250    |            |

|     |     |  |
|-----|-----|--|
| 250 | 200 |  |
| 250 | 160 |  |
| 250 | 110 |  |

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered prices.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

4.4 REDUCERS FOR USE WITH uPVC PIPES  
 (COMPLETE WITH TWO RUBBER RINGS)  
**Aluminum based material is not acceptable**

| DIAMETER  | CAST IRON Insertable /Rate only |
|-----------|---------------------------------|
| 200 X 160 |                                 |
| 200 X 110 |                                 |
| 160 X 110 |                                 |
| 250 X 200 |                                 |
| 250 X 160 |                                 |
| 110 X 90  |                                 |
| 110 X 75  |                                 |
| 90 X 63   |                                 |
| 63 X 50   |                                 |

| DIAMETER  | Socketed uPVC/Rate only |
|-----------|-------------------------|
| 200 X 160 |                         |
| 200 X 110 |                         |
| 160 X 110 |                         |
| 250 X 200 |                         |
| 250 X 160 |                         |
| 110 X 90  |                         |
| 110 X 75  |                         |
| 90 X 63   |                         |
| 63 X 50   |                         |

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered prices.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

4.5 HYDRANT TEES / Rate only

Hydrant tees shall be suitable for use with uPVC piping. Each complete with two rubber seal rings. Flanges to be drilled to BS 10 table C.

| PIPE DIA | CAST IRON |
|----------|-----------|
| 250 mm   |           |
| 200 mm   |           |
| 160 mm   |           |
| 110 mm   |           |

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered prices.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

4.6 FLANGED ADAPTORS / Rate only

Flanged adaptors suitable for use with uPVC piping complete with rubber seal rings and drilled to BS 10 table D.

| PIPE DIA | CAST IRON |
|----------|-----------|
| 75 mm    |           |
| 90 mm    |           |
| 110 mm   |           |
| 160 mm   |           |
| 200 mm   |           |
| 250 mm   |           |

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered prices.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

4.7 CASCADE PERMANENT IN SITU REPAID CLAMPS / Rate only

Stainless steel Cascade clamps with rubber lining for use with uPVC and AC pipes

| PIPE DIA | Part number | Price |
|----------|-------------|-------|
| uPVC     |             |       |
| 110 mm   | CR1-0440-08 |       |
| 160 mm   | CR1-0600-08 |       |
| 200 mm   | CR1-0790-08 |       |
| 250 mm   | CR1-1000-12 |       |
| 315 mm   | CR1-1220-12 |       |
| AC       |             |       |
| 4"       | CR1-0480-08 |       |
| 6"       | CR1-0680-08 |       |
| 8"       | CR1-0900-08 |       |
| 9"       | CR1-1040-12 |       |
| 10"      | CR1-1110-12 |       |
| 12" COD  | CR1-1370-16 |       |

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered prices.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

4.8 SADDLES / Rate only

Bolt on saddle outlets for use with uPVC pipes.

Outlet dia 25 mm and should include all necessary O rings or seals required for installation.

| PIPE DIA | CAST IRON | POLYPROPYLENE |
|----------|-----------|---------------|
| 50 mm    |           |               |
| 63 mm    |           |               |
| 75 mm    |           |               |
| 90 mm    |           |               |
| 110 mm   |           |               |
| 160 mm   |           |               |
| 200 mm   |           |               |
| 250 mm   |           |               |
| 315 mm   |           |               |
| 355 mm   |           |               |

Do items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered prices.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT)**.....

4 uPVC TO AC ADAPTORS / UNIVERSAL STEPPED COLLARS TO CONNECT AC TO uPVC pipes

| SIZE uPVC TO AC     | uPVC END FEMALE | UNIVERSAL COLLARS | RANGE |
|---------------------|-----------------|-------------------|-------|
| 50 X 50 COD         |                 |                   |       |
| 63 X 75 COD         |                 |                   |       |
| 75 X 75 COD         |                 |                   |       |
| 110 X 100 COD       |                 |                   |       |
| 160 X 150 CID CL 12 |                 |                   |       |
| 160 X 150 CID CL 18 |                 |                   |       |
| 160 X 150 COD       |                 |                   |       |
| 200 X 200 CID CL 12 |                 |                   |       |
| 200 X 200 CID CL 18 |                 |                   |       |
| 200 X 200 COD       |                 |                   |       |
| 200 X 225 COD       |                 |                   |       |
| 250 X 250 CID CL 12 |                 |                   |       |
| 250 X 250 CID CL 18 |                 |                   |       |
| 250 X 250 COD       |                 |                   |       |

Full details of products offered must accompany the tender.

Do items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered prices.....

Discount for settlement within 30 days from date of your statement.....  
**(Excluding VAT)**.....

5. **FIRE HYDRANTS**

- **Type A:** - These shall be 80 mm screw down type with London V thread screwed outlet and should include seal, dirt cap and chain. Flanges shall be drilled to BS 10 table C to fit standard 80 mm hydrant tees.

FIRE HYDRANT COMPLETE: PRICE / **Rate only**.....

- **Type B:** - These shall be 80 mm of the screw down type with bayonet type outlet and should include seal, dirt cap and chain. Flanges shall be drilled to BS 10 table C to fit standard 80 mm hydrant tees.

FIRE HYDRANT COMPLETE: PRICE / **Rate only**.....

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of your tendered prices.....

Discount for settlement within 30 days from date of your statement.....

(Excluding VAT).....

- **SEALING WASHERS-** Sealing washers to replace the washers on the fire hydrants as tendered for above: PRICE / **Rate only**.....

**NOTE:**

**ALL HYDRANTS SHOULD BE OF A TYPE WHERE THE PLUNGER AND SEALING WASHER COULD BE REPLACED WITHOUT HAVING TO REMOVE THE HYDRANT FROM THE NETWORK. SEALING WASHERS SHOULD BE AVAILABLE FROM THE SUPPLIER. MATERIAL OF WASHER SHOULD BE STATED. SEALED HYDRANT UNITS WITH THE RUBBER COATED METAL BALL SEAL ARE NOT ACCEPTABLE**

**6. GATE VALVES (RSV TYPE) (CAST IRON OR NON ALUMINIUM ALLOY BODY)**

Valves with non-rising spindle shall be of Waterworks Pattern and conform to SANS specification 664 class 1 or BS series 1. All valves shall be clockwise closing (RHC) with the direction marked on the gland and shall be complete with spindle cap. Preference will be given to valves carrying the mark of approval of the SANS. All valve bodies to be epoxy coated with stainless steel spindles and vulcanised rubberised gates

| NOMINAL SIZE | PRICE EACH / <b>Rate only</b>               |                                      |
|--------------|---|--------------------------------------|
|              | SOCKET ENDED C/W RUBBER SEAL FOR uPVC PIPES | FLANGED AND DRILLED TO BS 10 TABLE D |
| 75 mm        |   |                                      |
| 90 mm        |   |                                      |
| 110 mm       |   |                                      |
| 150 mm       |   |                                      |
| 160 mm       |   |                                      |
| 200 mm       |   |                                      |
| 250 mm       |   |                                      |
| 300 mm       |   |                                      |
| 315 mm       |   |                                      |
| 400 mm       |   |                                      |

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered price.....

Discount for settlement within 30 days from date of your statement.....

**(Excluding VAT).....**

**7. SEWER PIPE FITTINGS:**

| Description  | Price (Excluding VAT) |
|--|-----------------------|
| 110 mm AG pvc sewer pipes (6 m lengths)                |                       |
| 110 mm UG pvc sewer pipes (6 m lengths)                |                       |
| 110 mm Kimberly sockets                                |                       |
| 110 mm double sockets                                  |                       |
| 110 mm 90° bend  |                       |
| 110 mm 45° bend  |                       |
| 110 mm EW adaptor                                      |                       |
| 110 mm y junction Right (With inspection cover)        |                       |
| 110 mm y junction Left (With Inspection cover)         |                       |
| 110 mm y junction (Plain)                              |                       |
| 110 mm 90° vent bend                                   |                       |
| 40 mm vent   |                       |
| 110 mm 90° bend with rodding eye and cover             |                       |
| 160 mm pvc sewer pipe (6 m length)                     |                       |
| 160 to 110 mm y junction Right (With inspection cover) |                       |
| 160 to 110 mm y junction Right (With inspection cover) |                       |
| 160 mm pvc structured wall sewer pipe (6 m length)     |                       |
| 200 mm pvc structured wall sewer pipe (6 m length)     |                       |
| 315 mm AG pvc sewer pipes (6 m lengths)                |                       |
| 350 mm AG pvc sewer pipes (6 m lengths)                |                       |
| 400 mm AG pvc sewer pipes (6 m lengths)                |                       |

Do the items tendered for carry the mark of approval of the SANS.....

What is the local content expressed as a percentage of the tendered price.....

Discount for settlement within 30 days from date of your statement.....

**8. TOOLS**

The supply of tools is required for the purpose of executing the plumbing works

**Spanners:**

| Item           | Description     | Size  | Price Excluding VAT |
|----------------|-----------------|-------|---------------------|
| Spanner        | Ring and Flat   | 24    |                     |
|                |                 | 19    |                     |
|                |                 | 13    |                     |
|                |                 | 17    |                     |
| Ratchets       | Ratchets        | 24x19 |                     |
|                |                 | 19x17 |                     |
| Hack saw       | Hack Saw        |       |                     |
| Measuring Tape | Measuring Tape  | 10 m  |                     |
| Hummer         | 4 Pond Hummer   |       |                     |
| Ranges         | Bobejan spanner | 10"   |                     |
|                |                 | 12"   |                     |
|                |                 | 14"   |                     |
|                |                 | 18"   |                     |
|                |                 | 12"   |                     |
| Ranges         | Shifting        | 10"   |                     |
|                |                 | 12"   |                     |
|                |                 | 14"   |                     |
|                |                 | 18"   |                     |
|                |                 | 12"   |                     |

(Excluding VAT).....

**9. Equipment**

| Item                                      | Description  | Price Excluding VAT |
|---|--|---------------------|
| Generator                                 | 10 KVA   |                     |
| Water pump with suction and delivery pipe | 18 mm water pump with 50 m lay flat hose and suction hose petrol use |                     |
| Elephant foot compactor                   | Elephant foot compactor, fuel driven engine                          |                     |
| Flat Compactor                            |  |                     |

(Excluding VAT).....

|   |
|---|
|   |
| <i>Indicate whether the tender will be evaluated in terms of 80/20 below system for requirements up to million and 90/10 system for requirements above million.</i> |
| 80/20   |

|  |
|--|
| <b>4. Duration of the Contract</b>           |
| <i>State how long the contract will take</i> |
| Three years                                  |

## 5. Functional or Technical Evaluation Criteria (If Applicable)

See examples of Functional Evaluation Criteria below in Annexure A

### ANNEXURE "A"

#### Technical or Functional Evaluation Criteria and Functional Evaluation Report Guideline

Only those tenderers who score the minimum of 75 points in respect of the following criteria are eligible for further evaluation.

| QUALITY CRITERIA   | WEIGHT                | POINTS | COMMENTS                   |
|--|-----------------------|--------|----------------------------|
| <b>Number of services (Purchase order(s) rendered by the service provider similar to the services required</b><br>0 - 5<br>06 - 10<br>11 - 15<br>16 - 20<br>21 and above | 1<br>2<br>3<br>4<br>5 | 25     | Attached purchase order(s) |
| <b>Value of purchase orders</b><br>R 5 000 - R 20 000<br>R 20 001 – R 50 000<br>R 50 001 – R 150 000<br>R 150 001 – R 300 000  | 1<br>2<br>3           | 25     |                            |

|  |                       |           |   |
|--|-----------------------|-----------|---|
| R300 001 – and above   | 4<br>5                |           |   |
| <b>Delivery period (Days)</b><br><br>9 and above<br>7-8<br>5-6<br>3-4<br>1-2   | 1<br>2<br>3<br>4<br>5 | <b>10</b> | <b>Provide a signed commitment letter on the company' letter head for delivery period</b>               |
| <b>Fleet for transportation of goods</b><br><br>Sedan<br>LDV Van, Sedan<br>2 Ton Truck, LDV Van, Sedan<br>3 Ton truck,2 Ton truck, LDV Van<br>4 Ton truck, 3 Ton truck, 2 Ton truck, LDV Van | 1<br>2<br>3<br>4<br>5 | <b>10</b> | <b>Submit Proof of Ownership (Natis), or signed letter of intent to hire with Natis</b>                 |
| <b>PVC-U &amp; PVC Pipe and Fittings standards specification</b><br><br>ISO 9852<br>SABS 996   | 1<br>3                | <b>5</b>  | <b>Provide proof of the standards of the material to be delivered, if international please indicate</b> |

|  |   |            |  |
|--|---|------------|--|
| SANS 1539 of 1994  | 5 |            |  |
| <b>PVC-U &amp; PVC Pipe and Fittings standards specification</b> |   | <b>5</b>   | <b>Provide proof of certificate of the material to be delivered</b>              |
| ISO 9001   | 1 |            |  |
| SABS 14001   | 3 |            |  |
| SANS 1539 of 1994  | 5 |            |  |
| <b>Provide proof of insurance of goods in transit</b>            |   | <b>20</b>  | <b>Submit a copy of valid insurance certificate (Goods in transit insurance)</b> |
| 0 – R 20 000   | 1 |            |  |
| R20 001 – R50 000  | 2 |            |  |
| R50 001 - R 500 000  | 3 |            |  |
| R 500 001 - R 1000 000   | 4 |            |  |
| R 1000 001 and above   | 5 |            |  |
| <b>MAXIMUM POSSIBLE SCORE</b>                                    |   | <b>100</b> |  |