

TNPA/2025/02/0024/89726/RFP

TRANSNET NATIONAL PORTS AUTHORITY

THE SUPPLY AND DELIVERY OF BUILDING AND PLUMBING MATERIAL ON AN "AS AND WHEN REQUIRED BASIS IN THE PORT OF DURBAN FOR A PERIOD OF THIRTY-SIX (36) MONTHS

1. DESCRIPTION

For the purpose of this contract is for the supply and delivery of building and plumbing materials on an "as and when required" basis in the Port of Durban for a period of thirty-six (36) months.

2. DURATION OF CONTRACT

The contract period will be thirty-six (36) months from the date of the contractor being notified of the acceptance of his tender till the end of the **thirty-six (36) months or the monetary value whichever comes first**. No guarantee of any quantities can be given, the supplier will be required to supply the items under this contract, on an as and when required basis and in such quantities as may be required during the period of this contract.

3. SPECIFICATIONS

3.1 DELIVERY

Company signage must always be displayed on the vehicles entering the Port of Durban. All material to be delivered to the following locations as and when required in the Port of Durban: 11 Methven Road, Kings Rest, Berth 100 (Divers Workshop) and Fynnlands (PSS Depot).

The supplier will be responsible for the offloading of all materials.

All vehicles delivering materials to the Port are to be Roadworthy condition and the Supplier may not carry employees at the back of the vehicles.

All material to be delivered during working hours Monday-Friday are 07:00am – 15:30pm Supplier will be responsible for all spillages and damage to any materials during offloading and must ensure that the affected areas are cleaned up and replaced if needed.

Pricing to include pick-up, delivery and offloading charges.

3.2 PACKING

The supplier shall provide packing of the goods as required to prevent any damage or deterioration during transit to the destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage.

3.3 WARRANTY

The supplier warrants that the goods supplied under the contract are new, of the latest models, and that they incorporate all recent improvements in design and materials. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship.

This warranty shall remain valid for twelve (12) months after the goods have been delivered to the destination indicated in the contract.

3.4 DELAYS

The Supplier will be expected to effectively deliver the required items within the agreed time from receiving an official order from Transnet National Port Authority. Failing to do so, the Supplier will be required to pay Transnet National Port Authority a penalty charge equal to 10% of the Purchase order value.

Should the Supplier have reason to suspect delays in delivery, the Supplier shall advise the Purchaser upon receipt of an order in writing of any anticipated delays citing reasons therefore and put forward a new anticipated delivery date. The Purchaser may then extend the delivery date if the reasons given are justified and proof submitted that the delays are out of the Supplier's control.

3.5 QUALITY

All materials supplied for Transnet must comply with the relevant SABS (South African Bureau of Standards), SANS (South African National Standards), ISO (International Organization for Standardization) and JASWIC (Joint Acceptance Scheme for Water Services Installation Components).

All Goods supplied shall comply with the requirements of the Scope of Work or shall conform in all respects to which form part of the Contract. The Supplier shall furnish without extra charge all material data sheets, SABS or SANS documentation etc.

3.6 MATERIAL SPECIFICATIONS

- Where no description is given for an item, it still must comply with the relevant SABS, SANS or JASWIC (Joint Acceptance Scheme for Water Services Installation Components) Materials shall be new, unused, best of their respective kinds and free from defects. All pipes for water mains must be approved by SABS and Joint Acceptance Scheme for Water Installation Components J.A.S.W.I.C.
- If the Supplier fails to supply Goods, materials or services in accordance with the provisions of the Contract, Transnet may reject any part of the Goods by giving written notice to the Supplier specifying the reason for rejection and whether replacement Goods are required and within what time. All rejects shall be held at the Supplier's risk and expense including all transportation and handling costs until returned to or collected by the Supplier. All rejects shall be replaced or rectified and made good at the Supplier's expense within the specified time.
- **Copper Pipes and Fittings**
Copper pipes shall be in accordance to SABS 460. All compression fittings must be manufactured from Dezincification Resistant Brass as required by SANS 1067 Part 1 and 2 Specification. All Capillary fittings must conform to SABS 1067 Part 2 1985 as well as to ISO standard specifications.
- **High-density polyethylene pipes and fittings**
All HDPE pipes and fitting must carry the SABS mark and comply with SANS 14236:2003 Edition 1 and ISO 14236:200 Edition 1 for Plastics pipes and fittings —Mechanical-joint compression fittings for use with polyethylene pressure pipes in water supply systems.

- **Water meters 15mm to 35mm**
Non-Metallic Meters Semi-Positive volumetric water meters SANS 1529-1:2019, Part 1, Metrological characteristics of mechanical water meters of nominal bore not exceeding 100 mm. Meters must be plastic bodied semi-positive volumetric water meters. The meter shall be designed for the measurement of cold potable water and offer accurate, long maintenance-free life and is highly resistant to tampering. Minimum working pressure of 16 bar
- **Bulk water meters 50mm to 150mm.**
Woltmann-type, in-line through-flow type, and mechanical turbine flanged bulk water meters and must comply with SANS 1529- 4 2004 Part 4: Mechanical meters of nominal bore exceeding 100 mm but not exceeding 800 mm. Multiple pulsed output for increased management information. Water temperature up to 50°C. Suitable for forward and reverse flow metering. Exceeds Class B specification in forward direction and for sizes up to 150mm
- **Strainers to be used with for use with Woltmann type meters.**
The element shall be manufactured from heavy duty 3CR12 stainless steel or better. It must be securely supported at both the top and bottom of the strainer body to prevent large, suspended solids from breaking through the sieve element. The sieve element to be of such a shape and design to provide strength and to provide the largest possible area of sieve element for low head loss. It should be possible to remove the element from the top for cleaning without disturbing the flange joints. Strainer flanges dual drilled to suit BS10 table D or SANS 1123 table 16 (BS4504).
- **Fire hydrant and Fire hose reels**
Fire hydrant to comply with SANS 1128- Part 1: Components of underground and above-ground hydrant systems1
Fire hose reels to be of high-quality SABS certified fire hose reel, Red PVC Lay flat hose to plug into hydrants 30m x 65mm complete with couplings 16 Bar pressure rating.
- **Float valve and Ball float**
Float valve to comply with SANS -752: 2009 and Ball float to comply with SANS 1006:2007.
- **Standard wall mounted basins**
Standard wall mounted basins vitreous China 510 x 405mm. Rounded wall-hung basin with three semi-punched tap holes, integrated overflow, and chain stay hole through the center.
- **Stainless steel Double bowl drop-in sink**
Stainless steel Double bowl drop-in sink. Length overall 1,200mm Width overall 535mm, length of large bowl 343mm, width of large bowl 410mm, depth of large bowl 140mm.
- **One-hole sink mixer with Star handle**
One-hole sink mixer, chrome-plated. Includes: aerated swivel outlet, mounting kit and 2 × 1/2" Female Iron 400Mm Long Flexible Inlets. Sans 226 Type 2, Dezincification resistant Brass.
- **Wall type sink mixer with Star handle**

Star two-handle sink mixer, wall-type, chrome. Includes: aerated swivel outlet, 1/2" BSP male inlets, and concealed connections. SANS 226 Type 2, DZR (Dezincification resistant) Brass JASWIC-listed.

- **Pillar type sink mixer**
Sink mixer with two-star handle pillar-type, chrome. Includes: aerated swivel outlet, 1/2" BSP male inlets, and 1/2" heavy-pattern low resistance for low pressure or high-water demand. SANS 226 Type.
- **Pillar taps Classic**
Star handle pillar tap, chrome plated. Includes: hot and cold indices, 1/2" BSP male inlet, and flanged backnut. SANS 226 Type 2, DZR Brass, JASWIC-listed. Including: blue and red indices.
- **Head part complete P-8**
Star low-pressure, standard G 1/2" euro head part, chrome-plated, 15mm STAR LIGHT pattern head part exposed.
- **Bib tap Classic**
Star handle bib tap, chrome plated. Includes: hot and cold indices, 1/2" BSP male inlet, and flow straightener for flow aesthetics. SANS 226 Type 2, DZR (Dezincification resistant) brass, JASWIC-listed.
- **Brass hose bib taps 15mm & 22mm**
Plain bib tap, brass. Includes: 1/2" BSP male inlet, and flow straightener for flow aesthetics. SANS 226 Type 2, DZR (Dezincification resistant) brass, JASWIC-listed.
Plain bib tap, brass. Includes: 3/4" BSP male inlet, 1/2" heavy-pattern low resistance for low pressure or high-water demand installations. SANS 226 Type 1, DZR (Dezincification resistant) brass, JASWIC-listed.
- **Under tile, stop tap. Classic**
Star handle 138-15 under wall stop tap, chrome plated. Includes: 15mm copper inlets, sliding wall flange, extra indice with temperature indicator, and 1/2" heavy-pattern low resistance for low pressure. SANS 226 Type 1.
- **Head part complete P-32**
Star high-pressure, under wall standard G 1/2" head part, chrome-plated. Includes: blue and red indices.
- **Under tile, stop tap. Classic**
Star handle 38-15 under wall stop tap, chrome plated. Includes: 15mm copper inlets, sliding wall flange, extra indice with temperature indicator, and 1/2" Light pattern stop tap 15mm.
- **Exposed stop tap Classic**
Exposed stop tap chrome plated Star 136-15 with copper compression inlets. Heavy pattern, 15mm.

- **Head part complete P-5**
Star standard head part, G 1/2", 1/2" high-pressure to 3/4" low-pressure
- **Medical Elbow action pillar taps**
Medical elbow-action pillar tap, chrome. Includes: 1/4" turn ceramic disc head part, blue indice, 1/2" BSP male inlet, and flanged backnut 503-21B. For industrial installations 15mm. SANS 226 TYPE 2.
- **Blue head part complete S-21-CLOCK.**
Elbow-action 1/4" turn head part, clockwise, chrome.
- **Medical Elbow action pillar taps.**
Medical elbow-action pillar tap, chrome. Includes: 1/4" turn ceramic disc head part, red indice, 1/2" BSP male inlet, and flanged backnut. 503-21R. For industrial installations 15mm. SANS 226 TYPE 2.
- **Red head part complete.**
Elbow-action 1/4" turn head part, anticlockwise, chrome S-21-ANTI.
- **Fj6.001 Bc Urinal Flush Valve**
Junior Flush master exposed flush valve, brushed chrome. Includes: 3/4" Ball-O-Stop control inlet, wall flange, additional toilet piston screw, and non-hold open feature. SANS 1240, JASWIC-listed.
- **Fj2.000 Cp Flush Valve Toilet Body**
Junior Flush master exposed flush valve, chrome. Includes: 3/4" Ball-O-Stop control inlet, wall flange, integral vacuum breaker, and non-hold open feature. SANS 1240, JASWIC-listed.
- **Fm1.000 Standard Toilet Valve Body Cp 32mm**
Exposed. Non-hold open feature with wall flange, integral vacuum breaker and control stop with integral non-return valve inlet. Adjustable control stop to valve connection 108mm to 140mm. 1 1/4" BSP female iron connection end. Optimum design pressures: inlet flow pressure 30- 300kPa for back entry WC pans: Maximum system pressure 600kPa.
- **Fm1.100 Cp Back Entry Toilet Flush Valve 32mm Comp**
Exposed back entry. Non-hold open feature. With wall flange, integral vacuum breaker, and control stop with integral non-return valve inlet. Adjustable control stop to valve connection 108mm to 140mm. With bent flush pipe and rubber pan connector. 1 1/4" BSP female iron connection end. Optimum design pressures: inlet flow pressure 30 - 300kPa for back entry WC pans: Maximum system pressure 600kPa.
- **FM2-210 Toilet flush valve**
Exposed top entry. Non-hold open feature. With wall flange, integral vacuum breaker, and butterfly control inlet. With straight flush pipe and compression pan connector. 1 1/4" BSP female iron connection end. Optimum design pressures: inlet flow pressure 30 - 300kPa for back entry WC pans: Maximum system pressure 600kPa.

- **FM1.100 Standard Flush master Flush valves**
32mm standard 'Flush master' CP exposed type, back entry toilet flush valve with control stop and wall flange and bent flush pipe and pan connector. Including horizontal telescopic adjustment (control stop to valve body). Integral vacuum breaker prevents back-syphonage. Shut-off valve/check valve (control stop) must be adjustable for flow control Lever operated for positive flushing action.
- **Dual 600i Geysers 100L, 150L and 200L**
The geysers must comply with SABS 151-2002 (600kPa approved) manufactured in an ISO – 9001 controlled environment and JASWIC approved.
- **400kPa Geysers vertical**
Light commercial electric water heater, vertical, 450L, 1900(H) x 720(D) mm, up to 400kPa
- **Hydro boil**
Must be designed for direct connection to a potable cold-water supply with a minimum pressure of 1 bar and maximum pressure of 7 bar. Thermal cut-out integral to heating element to protect against over-boiling and complications occurred during water supply interruption. Corrosion resistant white epoxy powder coated steel. Tap to be cool to the touch when dispensing boiling water. Ready-to-use status indicator.
- **T.P Valves**
The Temperature and Pressure Safety Valve” or the “T&P valve must comply with SANS 198:2012 “Functional-control valves and Safety Valves for domestic hot and cold-water supply systems.
- **Drain cocks**
Drain cocks for with geyser to comply with SANS 1808-53:2012 Part 53: Drain cocks for hot-water storage containers.
- **Spring loaded non return valves**
SANS 1808-10:2005 Part 10: Copper alloy check valves (spring-loaded)
All Geyser valves to also comply with SANS 198:2012 for Functional-control valves and safety valves for domestic hot and cold-water supply systems.
- **High pressure PVC class 6, 9, 12, 16 & 20 water pipe and fitting**
All pipes and fittings to comply with SANS 966 Part 1 (PVC-U) Unplasticized Poly Vinyl Chloride (PVC-U) Pressure Pipe Systems and SANS 966 Part 2: Modified Poly Vinyl Chloride (PVC-M) Pressure Pipe Systems (PVC-M) Seal rings to comply with SANS 4633.
The following information must appear on all PVC pressure pipe, manufactured in accordance with the SABS specifications:
 - SABS Mark.
 - SABS Specification number.
 - Nominal pipe size.
 - Pressure class.
 - The designation “PVC-U” or “PVC-M”.

- Manufacturer's trade name or trademark.
 - Batch identification number that provides traceability of the product, with the date and time of manufacture.
 - SAPPMA logo: a quality mark from the Southern African Plastic Pipe Manufacturers Association over and above the relevant SABS or international mark, indicating a responsible manufacturer of integrity and a quality product backed by a technical information service. SAPPMA is an affiliated member of the Plastics Federation of South Africa.
- **All pipes and fittings to comply with the SABS Standard Specifications**
uPVC Class 51 – normal duty (100kPa pipe stiffness) (SANS 791: 2002)
uPVC Class 34 – heavy duty (300kPa pipe stiffness) (SANS 791: 2002)
U/G Fittings for Sewer – SABS 1601
 - **Flanged RSV FL CI 16 gate valves**
Resilient seal gate valve, flanged PN16 – SANS 664, Non-Rising Spindle, Fusion Bonded Epoxy Powder coated / Epoxy Coated, Gate SG Iron EPDM encapsulated. Drilled to BS4504; SANS1123. Right hand closing Cap top, hand wheel operated.
 - **Stainless steel repair clamps (SABS 1808-45)**
Locking washer plate: must locks into position for easy tightening of nuts. Lugs must be welded to receiver bar and fully passivated after welding to restore the original passive state of the stainless steel. Leading edge is to be rounded to prevent them from catching bolt bars during installation. Bolts to be thread-rolled for strength and coated to prevent galling. Nuts to be of 304 or Type 316 stainless steel. The gasket must be made from natural rubber, especially with antioxidant/antiozonant agents to increase shelf life. All gaskets to have a gridded design, tapered ends and vulcanized armor plates for easy installation and optimum sealing efficiency.
 - **Galvanized pipe/fittings**
All galvanized pipes and fitting to comply with SANS 62-1:2013: Steel pipes Part 1: Pipes suitable for threading and of nominal size not exceeding 150mm.
 - **Cast Iron fittings**
All Cast Iron fittings to comply with cast iron fittings for UPVC Pipe to EN 12842 Fusion Bonded Thermoplastic coated internally & externally with Plascoat with EPDM rubber seal ring.
 - **Couplers: Ranger Couplers, Stepped Coupling and Flanged Adaptors**
All couplers to comply with SANS 1808-2:2017, water supply and distribution system components Part 2: Metallic compression type pipe couplings. Working pressure: PN16 all our Couplings regardless of size are fusion bonded epoxy coated to 300 microns as standard. Couplings exposed to sunlight are coated with an additional UV resistant coating. Shall bear the SABS mark and a mark that indicates the nominal diameter.

- **Manhole covers and frames**

All manholes cover and frames must comply with SANS 1882:2003. Must meet load requirements specified in Sans 558 and SANS 1115.

- **Lever Ball-O – Stops valves**

Ball valves to comply with SANS 1056-3:2016 Part 3: Light duty valves. Ball-O-Stop ball valve must have plastic-coated aluminum die-cast lever must be suitable for hot and cold water.

- **Tiles**

Tiles to be 330x330mm ceramic wall tiles, must be Grade 1 and Classic Grey in color. Must be elegant and sophisticated, Perfect for floors and walls. Broken or cut tiles can cause severe lacerations. Falling boxes stored overhead can cause severe injury if dislodged, to be supervised accordingly.