

## SECTION 2.1: SPECIFICATIONS

**SUPPLY AND DELIVERY: ONE (1) NEW 33M<sup>3</sup> DOUBLE CONICAL WATER TANKER, 3 AXLE SEMI TRAILER COMPLETE FOR FIRE FIGHTING SERVICES WITH WATER PUMPS AND HOSES:****MINIMUM STANDARD TECHNICAL SPECIFICATIONS:**

The above-mentioned shall comply with the minimum requirements of the Standard Technical Specification, as detailed in the tables below.

SCHEDULE A		SCHEDULE B	
1. BODY STRUCTURE:		Comply YES / NO	Page to Reference
1.1 Shell Material: Stainless steel ASTM A240 TYPE 304 – 4.0mm			
1.2 Bulkhead Material: Stainless steel ASTM A240 TYPE 304 – 4.0mm			
1.3 Baffles & Bulkheads: Stainless steel ASTM A240 TYPE 304 – 3.0mm			
1.4 Manholes: 6 Lug Stainless steel 304 Manhole with swing back insulated Cover			
1.5 Kingpins: 80mm flange type Kingpin			
1.6 Bumper: 114 x 100 x 5 mm round rear under ride bumper 2400 mm wide. S.A.B.S 1055-1983			
2. PIPE WORK			
2.1 Outlets: One-Off "Gravity" Type Outlets			
2.2 Bottom Valve: 100mm Stainless Steel Pneumatic			
2.3 Discharge Pipe work: 100mm outlet at the rear of the tanker routed to the centre of the tanker			
2.4 Discharge Valve: 100mm Butterfly Valve			
2.5 Flanges: 100mm Stainless Steel			
2.6 Discharge Connection: 4-inch Stainless Steel Camlock			
3. VENTS			
3.1 Vacuum vent: Stainless Steel 316 Relief Valve Set at – 0.4 Bar			
3.2 Pressure vent: Stainless steel 316 Relief valve set at .38 Bar			
4. AXLES, SUSPENSION AND BRAKING:			
4.1 Landing Legs: Two speed, HEAVY DUTY Wind up, rolling foot, rolling, braced to withstand rugged loading conditions, near side operation			
4.2 Axles: Three (3) Hendren Fruehauf or similar heavy – duty 10- Stud axles rated 16 tons. (146mm round beam Axles, 90mm diameter, journal with interchangeable inner and outer bearings)			

<b>4.3 Suspension:</b> Hendren Fruehauf F3 10T per axle with Mechanical Suspension or similar		
<b>4.4 Rims and tyres:</b> 4.4.1 13 x Steel wheel Rim 9.00' x 22.5' 4.4.2 13 x 315 – 80 R22.5		
<b>4.5 Brake System:</b> Wabco ABS/EBS Brake System or similar, in accordance with SABS, designed to meet higher brake regulations		
<b>4.6 Slack Adjusters:</b> Auto Matic Slack adjusters		
<b>4.7 Brake Dimensions:</b> Equipped with 420 x 180 'S' cam brakes Dimensions		
<b>5 ADDITIONAL EQUIPMENT:</b>		
<b>5.1 Spare wheel Carrier:</b> Winch up type spare wheel carrier		
<b>5.2 Hubo Meter:</b> Fitted on RH Side of Centre Axle		
<b>5.3 Electrical system:</b> Full LED Lighting system, dual 24V batteries, flood lights, and scene lights.  <b>5.3.1.</b> 30mm Ambar star bar mounted on the front and rear of tank, to be switched on inside cab and on the rear left and right of the water tank.		
<b>5.4 Mudguards:</b> Plastic mudguards Fitted over the rear wheels and Stainless Steel on front		
<b>5.5 Walkway:</b> Aluminium Walkway fitted to Top Left-Hand Side of Tanker with Foldup Handrail		
<b>5.6 Discharge Hose:</b> one 3m Rubber Hoses with Camlock Couplings		
<b>5.7 Hoses &amp; Trough:</b> one hose Fitted in hose trough on the driver side of the barrel. Aluminium open trough with rings and "pigtail" attachment point to secure hose		
<b>5.8 Pump system for filling and Delivering:</b>  5.8.1 <b>High pressure Pump:</b> 9.5Bar twin stage petrol powered engine, water pump, 40mm inlet and 25 mm outlet, 18000 lph / 300 lpm, heads 95 m, 7 hp petrol engine.  5.8.2 <b>Low pressure pump:</b> Petrol powered engine, water pump with 50mm inlet/outlet, discharge 720 l/min, heads 32 m  5.8.3 <b>Stainless steel Plumbing:</b> Multiple inlets / outlets, Storz couplings, and isolation valves.  5.8.4 <b>Water pump frames and mountings:</b> Pumps to be mounted on the rear of the tank or on the left hand and right-hand side of the tank on galvanised platform with easy access Stainless Steel Vibration-Damped trays and frame		

5.8.5 Hoses & Storage: Two (2) Lockable lockers, brackets, and compartments for hose and accessories.		
<b>6. CONTROLE AND INTERFACE</b>		
6.1 Side control panel with pump gauges, switches, tank level display, and USB ports.		
6.2 Digital flowmeter and telemetry logger.		
<b>7. FINISH</b>		
7.1 Interior: 7.1.1 Clean, free of debris 7.1.2 Pickle and passivated inside then thoroughly washed out 7.1.3 All welds grounded smooth but not necessarily grounded flush 7.2 Exterior: 7.2.1 Painted in Single Colour		
<b>8. REGULATIONS, REGISTRATION &amp; SAFETY</b>		
8.1 Chevron board and reflectors and ADR reflector tape as per traffic legislation 8.2 Must comply with the b SABS Standards 8.3 Registration, licensing and number plates 8.4 Two Fire extinguishers 8.5 Wheel chocks 8.6 First aid kit		
<b>9. WARRANTY:</b>		
9.2 Two Year guarantee for ASTM A240 TYPE 304 Stainless steel tanks on workmanship and tank construction. 9.3 Warranty on complete water tank trailer at least two (2) years		
<b>10. Delivery</b>		
10.1 Bidders must please specify dispatch period after placing of order in clear terms of lead-time, rate of dispatch and completion of contract. 10.2 Delivery address: Hessequa Municipality 1 Hospital Street Riverdale 6670		
<b>11. ACCREDITED BODY BUILDER</b>		
11.1 The tenderer must be an accredited Body Builder or shall make use of an Accredited and registered Body Builder.		

11.2 Attach proof of Body Builder's/ Manufacture's Certificate

SCHEDULE A	SCHEDULE B													
All bidders must comply with the following six points to be considered	Comply Yes/No	Page to Reference												
<ul style="list-style-type: none"> <li>Is the bidder the official agent/dealer appointed by the original equipment manufacturer/factory? Official name of business: .....</li> </ul>														
<ul style="list-style-type: none"> <li>Is the bidder able to lodge claims directly against the factory on behalf of the client in case of failures or breakages?</li> </ul>														
<ul style="list-style-type: none"> <li>Does the bidder stock a sufficient number of spare parts on own branded premises?</li> </ul>														
<ul style="list-style-type: none"> <li>Is the bidder able to service, repair and modify the equipment in its own branded workshop?</li> </ul>														
<ul style="list-style-type: none"> <li>Does the bidder have (a) suitably equipped workshop(s) within the 400km radius of the Hessequa municipal boundary to accomplish this?</li> </ul>														
<ul style="list-style-type: none"> <li>Does the bidder have qualified artisans within the 400km radius of the Hessequa municipal boundary to accomplish this? Please provide the following Information:  Location within the 400km radius of the Hessequa Municipal boundary:</li> </ul> <table border="1"> <thead> <tr> <th>Towns with an equipped and branded workshop</th> <th>Number and Street name</th> <th>Number of artisans</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Towns with an equipped and branded workshop	Number and Street name	Number of artisans											
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**CONDITIONS OF THE TENDER**

1. The trailer **ONE (1) NEW 33M<sup>3</sup> DOUBLE CONICAL WATER TANKER, 3 AXLE SEMI TRAILER COMPLETE FOR FIRE FIGHTING SERVICES WITH WATER PUMPS AND HOSES**: must be licensed and registered to Hessequa municipality with number plates fitted before delivery at the following address:  
**Hessequa Municipality, PowerStation  
1 Hospital Street  
Riversdale  
6670**
2. All guarantees must be stipulated in the tender. Details of the guarantee must be supplied. **(Attach proof)**.
3. Tenderer must have a dealership and fully equipped workshop within the 400km radius of the Hessequa municipal boundary for service and repairs.
4. Proof of the said dealership or workshop must be submitted together with the tender. If the bidder does not have the said workshop or dealership, proof of a valid agreement with a local dealer or workshop owner must be attached. **(Attach proof)**.
5. The Tenderer must have a Body Builder's / Manufacture's Certificate. **(Attach Proof)**
6. Only tenders submitted by manufacturers accredited in accordance with applicable industry standards and regulations for vehicle body / trailer building will be eligible for consideration.
7. A complete set of drawing's must be submitted with tender for the complete layout of water tankers with additional equipment to be submitted with tender.

**Failure to adhere to the above will result in your tender being declared non-responsive.**

DECLARATION,

I, THE UNDERSIGNED (NAME) .....  
CERTIFY THAT THE INFORMATION FURNISHED ABOVE IS CORRECT. I ACCEPT THAT THE MUNICIPALITY MAY ACT  
AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

AUTHORISED SIGNATURE: .....

NAME: .....

CAPACITY: .....

DATE: .....

Initials of Service Provider's Authority: .....