



BACKGROUND

SANPC Saldanha Terminal has an existing Fire Truck that's mainly been used as a foam carrier. The truck is a 1978 model and parts are not readily available anymore.

The operation of the Fire Truck is labour intensive as it requires at least 7 persons to set up fire hoses, from the fire hydrants, through the truck to the point of the incident to fight a fire. There must at least be one person at the fire hydrant to control the water supply.

The current fire truck is not suitable to fight a fire from a distance. It's always safe to initially fight a fire from a distance and as the situation change work your way towards the emergency situation.

1. SCOPE OF WORK

A bidder's experienced in supply and delivery of a new Fire Truck with the following specifications is required.

TECHNICAL DATA:

- **Main Specification (Typically).**

Overall dimension (L*W*H)	8500 x 2500 x 3500
Water tank volume	5,000L
Foam tank volume	1,000L
Cabin	Double cabin, with air conditioner, electric windows, USB.

- **Chassis.**

Drive model	4 x 4 Right hand drive
Front axle loading	7,000 Kg
Rear axle loading	11,500 Kg loading capacity
Wheelbase	4,300 mm
Approach / departure angle	31/31 degrees
Tyre size and number	12.00R20, 6 ply tyre with one spare tyre
Transmission	Manual, 10 gears forward with 2 reverse
Voltage	2 batteries each 12 volts
Colour	Red and yellow
Steering	Power
Max Speed	95 Km/h

- **Engine**

Engine Type (Typically)	Six – cylinder, in-line, water cooling, direct
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Horsepower	Injection (DI) type, turbo charged, intercooling
Emission	Not less than 200Kw Euro 2

- **Tank Specification**

Tank capacity	5,000 Litres Water Tank with 1,000 Litres Foam Tank
Tank Material	All tanks made of carbon steel. Thickness: 4mm. The foam tank inside is painted with Anticorrosion material.
Tank coating:	Coated against corrosion.

- **Fire pump**

Model	/	CB10/60 model Normal pressure pump
Pressure	Mpa	> 1.0
Max suction height	m	7
Output	LPM	3,600
Rated speed	r/min	3,000
Time of drawing water(s)	s	< 45
Input	/	one diameter: 125mm
Outlet	/	20 x 75mm, 2 x 80mm

- **Water – Foam Monitor**

Model	/	PL48 mounted on the tank
Firefighting nozzle range water (m)	>50	
Foam (m)	> 45	
Output	L/min	1800
Rated working pressure	Mpa	0.7 – 1.2
Rotation angle	()	360

Water / Foam monitor to be operated from cabin

- **Emergency warning system**

Red light bar mounted on top of the cabin; siren system operated from inside cabin.

- **Equipment List**

Category – Firefighting Equipment or similar.

Suction pipe	150x4cm	2
Water filter	FLF150	1
Siamese	JII 150/80x2-1.0	1
Increaser	KJ65/80	2
Hose gaiter	DT-SB	4
Rope hose tool	/	4
Fire hose couplings	Instantaneous 65mm	/
Overground hydrant wrench	QT-DS1,Length400	1
Underground hydrant wrench	Length 860	1
Suction wrench	Fs150	2
Water stream straight nozzle	QZG3.5/7.5, 65	1
Water stream spray nozzle	QZK3.5/7.5, 65	1
Foam nozzles include tube	QP8/0.7Z, 65	1
Foam tube for tank filling	40x2700	1
<u>Chassis engine spare parts</u>		

Oil Filter	/	2
Fuel filter	/	2
Air filter	/	2
Belt for Ac	/	2
Fan belt	/	2

VENDOR/S _ SUPPLIERS

- Site visit to inspect fire hydrants and current Fire Truck to determine inlet and outlet coupling sizes, if needed, on own cost.

Included in the quotation:

Registration and licence fees.

Condition: New.

Basic Service plan on Truck.

3 Year Warranty on the Truck.

3 Year Service and Maintenance Agreement.

Training for 5 operators x 2 days.

Guarantees need to be supplied for the unit.

Delivery cost on the supplier's account

Documentation: 1 x English

Delivery: SANPC Saldanha Terminal