



 Eskom	Procurement SOW	Generation
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# 1 Description of the service

The provision to supply and deliver firefighting and other equipment is rendered in a manner to satisfy the requirements of Eskom standard 240-126467668 Operational Standard for Inspection, Testing of Fire and Rescue Non-Plant Equipment in Generation, part of SANS 1475 that covers the administrative and technical details and controls applicable to the acceptable reconditioning of any portable and wheeled (mobile) rechargeable fire extinguisher, SANS 1567- Portable rechargeable fire extinguishers – CO2 type extinguishers, SANS 1910 - Portable refillable fire extinguishers, SANS 10019-Transportable containers for compressed, dissolved and liquefied gases – Basic design, manufacture, use and maintenance, SANS 10105-1, The use and control of fire-fighting equipment – Part 1 Portable and wheeled (mobile) fire extinguishers, OHS Act 85 of 1993, ISO 14001, NFPA 10

## 1.1 Employer's requirements for the service

Rendering of Fire Equipment Service for the provision of the following

EQUIPMENT	SPECIFICATION	
FRM Office space park home	Model	CGKH-4
	Cylinder	Carbon fibre
	Volume	4*6 8
	Rated working pressure	300bar
	Rated service time	240min
	Reducer	Input pressure <300bar Output pressure 7 5 bar Maximum output flow >1000 l/min
	Safety valve	Opening pressure 9 9 – 15 bar
	Alarm	Alarm pressure 55 +- 5 bar Alarm volume 90dB
	Demand valve	Inhalation resistance <5bar Exhalation <10bar
MCH-22 Open 450 SCBA Compressor refill	MP Tube	Length 50 – 90m
	Max working pressure	724 bar
	Max spread distance	422 7 mm
	Max spread force	1,272 KN
	NFPA cut test	A8, B9, C8, D8, E9, F4
	Length	858 8mm
	Width	228 6 mm
Battery operated combination rescue tool with a mechanical ram attachment	Height	177 8 mm
	Weight	20 0 kg
MasCas II Decontamination shower system	<ul style="list-style-type: none"> <li>• Six easy-clean shower heads per stall</li> <li>• Two hand-held fan sprayers with independent shut</li> </ul>	

	<ul style="list-style-type: none"> <li>• Standard garden hose water inlets one for the 2-stall configuration</li> <li>• All shower frame parts are colour coded to simply assembly</li> <li>• Approximately set-up time. 5-6 minutes (based on two trained responders)</li> </ul>	
40' (12 Metre) Insulated Boardroom Office Container with Male and Female Ablution		
Ultra-High Pressure Skid unit water & foam	Dimension	1330cm x 1059cm x 997cm
	Water tank	550 litre water tank manufactured using GRP Suitably baffled with electronic level gauge
	Foam tank	50 litre foam tank built into water tank
	Pump	One axial feed high-pressure aluminium hose-reel
	Level gauges	100 bar ultra pressure pump
	Engine	Vanguard 18hp 4-stroke
ZitosHD Rescue System		
<ul style="list-style-type: none"> <li>• Full HD resolution – 1080 video</li> <li>• Equipped with a high sensitive listen-only microphone, full duplex audio talk-back camera module option available</li> <li>• Ergonomic handle with integrated system controls</li> <li>• Specially configured rugged 5' and 10' Tablets</li> <li>• Multiple cables and telescopic pole lengths from 3' to 30'</li> <li>• 6+- hour rechargeable battery</li> <li>• View multiple systems live, simultaneously</li> <li>• Manual and motorized remote camera articulation range – pan +/- 120 degrees</li> <li>• Interchangeable cameras – ultra low light colour, 10x optical zoom, dual mode thermal (true thermal image), Fle-end snake</li> <li>• All camera functions can also be remotely controlled using the tablet's touchscreen</li> <li>• Supports wired and low latency wireless videos with safe and secure WPA2-PSK (AES) encryption</li> </ul>		
Model 52 - 5 Lift Bag Set Paratech		
PMI Rescue cache Pro	Bag with backpack straps	5x 20' prusik cord loops
	2x 60cmsupermantles	26' prusik cord loop
	SMC flex	SMC flex brake bar rack
	20ft tubular webbing	SMC rigging plate
	Rope pad	Oval carabiner
	5 single pulleys	5x swivels

	16x carabiners	2x radium release hitch kits
	Weight 14.7 kg	Width 39.4 cm
	Height 16.5 cm	Length: 52.1 cm
Aluminium NFPA Ladder	3 section extension ladder (no poles)	
	<b>Features</b> <ul style="list-style-type: none"> <li>• Cylinders 2/4</li> <li>• Material Steel / Carbon fiber Cylinder</li> <li>• Volume 6.8L (per cylinder)</li> <li>• Related working pressure 300 bar</li> <li>• Related Service Time 120 min on 2 cylinders or 240 min on 4 cylinders</li> <li>• Reducer. Input Pressure &lt;300 bar Output Pressure 7.5 bar Maximum Output Flow &gt;1000 l/min</li> <li>• Safety Valve Opening Pressure 9.9 bar – 15 bar</li> <li>• Alarm Alarming pressure 55 ± 5 bar Alarming Volume 90 db</li> <li>• Demand valve Inhalation Resistance &lt;5 bar Exhalation Resistance &lt;10 bar</li> <li>• MP Tube Length 50m – 90m</li> </ul>	
Marce SAR Trolley		
	<b>Includes:</b> <ul style="list-style-type: none"> <li>• 1 x 356mm (14") Top Handle Chainsaw Chain (49162744)</li> <li>• 1 x 356 mm (14") Top Handle Chainsaw Bar (49162745)</li> <li>• 1 x Guide Bar Cover</li> <li>• 1 x Srench</li> <li>• 1 x 76 ml Chain Oil</li> </ul> <b>Features:</b> <ul style="list-style-type: none"> <li>• POWERSTATE Brushless Motor delivers the power to complete cuts in demanding applications providing up to 2.1 kW of peak power and 3.2 Nm of peak torque</li> <li>• Optimised for REDLITHIUM-ION HIGH OUTPUT batteries, delivering up to 150 cuts per charge with a 8.0Ah battery in 4" x 4" (102 x 102 mm) cedar</li> <li>• Completes the demanding applications of petrol top handle chainsaws, without headaches associated with petrol engines</li> <li>• Onboard srench storage</li> <li>• Variable speed trigger increases user control</li> </ul>	
Battery operated Chainsaw		

	<ul style="list-style-type: none"> <li>• Easy access chain tensioner allows for quick adjustments to the cutting system</li> <li>• Metal bucking spikes allow for increased leverage and control during applications</li> <li>• Climbing scabbard fully covers bucking spikes, locks on to saw, and has tie off points for aerial applications</li> <li>• Translucent oil reservoir allows for clear visibility to oil levels</li> <li>• No pull starts, low noise, no emissions when in use, no mixing petrol and oil, and no regular engine maintenance</li> </ul> <p><b>Specification</b></p> <ul style="list-style-type: none"> <li>• Voltage 18V</li> <li>• RPM 7,700</li> <li>• Bar Length 356mm (14")</li> <li>• Chain Gauge 1.1mm (0.043")</li> <li>• Chain Pitch 8.3mm (0.325") Low Profile</li> <li>• Drive Links 59</li> <li>• Trigger Variable Speed</li> <li>• Length 635mm</li> <li>• Weight (Skin Only) 3.9kg</li> </ul>										
Evo Pro 6 Persona Floatation Devices	<table border="1"> <tr> <td>Outer body red 500D codura</td> <td>Inner body soft floatation foam</td> </tr> <tr> <td>EN 12402-5:2006</td> <td>EN 12402-6:2006</td> </tr> <tr> <td>Medium 106 cm, 76 kg</td> <td>Large 116 cm, 95kg</td> </tr> <tr> <td>XL 42 cm, 115kg</td> <td></td> </tr> </table>	Outer body red 500D codura	Inner body soft floatation foam	EN 12402-5:2006	EN 12402-6:2006	Medium 106 cm, 76 kg	Large 116 cm, 95kg	XL 42 cm, 115kg			
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PRT rescue kit	<ul style="list-style-type: none"> <li>• Forged, heat-treated interchangeable bits</li> <li>• Machined diamond grip to ensure a positive grip and maximum control</li> <li>• Hard coated aluminium alloy tube body</li> <li>• 'Slam and Ram' collar locks the ram bar at any length for added leverage and safety as well as ease of storage</li> <li>• Handle with machine grooved non-slip grip</li> <li>• The ram bar travels up to 13.6 in (34.5 cm) for maximum impact</li> <li>• The tool bit retainer has been improved for extreme twisting applications</li> </ul>										
Ark Angel AA420 Inflatable Rescue Raft	<table border="1"> <tr> <td>Ultra rugged construction</td> <td>Large diameter 370mm tubes</td> </tr> <tr> <td>Heavy duty 100kg d-rings</td> <td>D rings towing system</td> </tr> <tr> <td>Grab handles boarding system</td> <td>Dropstitch inflate floor</td> </tr> <tr> <td>Can be carried like a stretcher</td> <td>Capacity to carry 2 – 4 persons</td> </tr> <tr> <td>1x repair kit &amp; tools</td> <td>Maximum load. 450 kg</td> </tr> </table>	Ultra rugged construction	Large diameter 370mm tubes	Heavy duty 100kg d-rings	D rings towing system	Grab handles boarding system	Dropstitch inflate floor	Can be carried like a stretcher	Capacity to carry 2 – 4 persons	1x repair kit & tools	Maximum load. 450 kg
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Alluminium A frame ladder	Folding single ladder	
Battery Operated reciprocating saw	<ul style="list-style-type: none"> <li>• Ability to cut 150 pieces of 290 mm x 45 mm pine on one 12,0 Ah battery charge</li> <li>• Next generation Powerstate brushless motor</li> <li>• Redlink Plus electronics and Redlithium High Output 12 0 Ah battery pack</li> </ul>	
FRM Office space park home		
	Model	MCH22
	~5 minutes	Fill Time*
	15 8 SCFM (447 L/min)	Charging Rate*
	13 2 CFM (374 L/min)	CFM FAD
	Single and three-phase electric	Motor
	46A 10 hp (7 5 kW)	208-230 V / E1 / 60 Hz
	28A 10 hp (7 5 kW)	208-230 V / E3 / 60 Hz
	17A 10 hp (7 5 kW)	380-415 V / E3 / 50 Hz
	17A 10 hp (7 5 kW)	440-480 V / E3 / 60 Hz
	880-952	Compressor RPM
	6000 psi (414 bar)	Maximum Operating Pressure
	Number of Stages	4
	Number of Fill Hoses	4
	Condensate Drain	Automatic
	Sound Level	78 LpA Measured (dB)
	Dimensions (L x W x H)	31 x 39 x 61 in
	Weight	796 lb (361 kg)
	Lubrication	Pressure lubrication, Capacity 4 L
	Air Quality	DIN 3188 - CGA Grade E - NFPA 1500 - EN12021
MCH-22 Open 450 SCBA Compressor refill		

#### Low service penalties

Low Service Description	Damage	Value of Low Service Damages	Limit of Low Service Damage
Poor workmanship (Will be measured through the QC)		Contractor to carry corrective cost	Limited to 5% of the total value of the Task Order(s)
Amount of rework required		0 25% per re-work activity of the Task Order(s)	Limited to 5% of the total value of the Task Order(s)
Compliance rate to SOW schedule		0.25% per re-work activity of the Task Order(s) and no adherence to safety regulations	Limited to 5% of the total value of the Task Order(s)
Service delays not finishing as per agreed upon project plan submitted and approved by the Service Manager		0 25% per total value of the Task Order(s) per day	Limited to 5% of the total value of the Task Order(s)
Number of NCR's issued		0 25% per total value of the Task Order per day	Limited to 5% of the total value of the Task Order(s)
Using Personnel which are not Qualified/ experienced as per the contract conditions		0 25% per total value of the Task Order(s) per day	Limited to 5% of the total value of the Task Order(s)

**1.2 KPIs** (Failure to meet the set KPIs will lead to NCR being issued and low service penalties activated).

KPI	Source of Evidence	Measure
Meet the lead time stipulated	Delivery note with date	50%
Equipment delivered as per the required specifications	Job card with company logo	50%