



St Helena Fire Tender – Request for Quote

Background	<p>St Helena is a British Overseas Territory. Being a remote island in the South Atlantic Ocean access to the island is only possible currently via sea. The official opening of the St Helena Airport planned in May 2016 will mark a significant milestone in the island's history. The Fire Brigade are looking for an additional 2 fire tenders to join their exist fleet. The island is very mountainous with the majority of roads being on serious inclines. The vehicles will also be expected to go off-road to service remote locations.</p>
Requirement	<p>Proposals are invited from parties with specific experience in the delivery of 4x4 Fire Tenders as per the specification laid out below.</p>
Island Road Limitations	<ul style="list-style-type: none"> • No motor vehicle having a gross weight laden in excess of fourteen tons shall be used on any road. • Overall width 8 feet 6 inches. • Overall length 25 feet. • Wheelbase 13 feet 7 inches. • Height, exclusive of hood or covering 11 feet 6 inches.
Specification	<p>Manufacturer: BREMACH or Equivalent</p> <ul style="list-style-type: none"> • Model Example: T - REX Double Cab – four door, 5 Seats - 2 in front and 3 in rear, • Engine: IVECO, diesel, 4-cycle or equivalent • Emissions: EURO 5 (optional EURO 4) • Power: 170 HP – 125 kW @ 3000 ÷ 3500 rpm • Max Torque: 400 Nm @ 1250 ÷ 3500 rpm • Gearbox: <i>optional: Allison automatic</i> • Steering: Hydraulically assisted • Suspensions: Parabolic springs, front - rear • Braking: Dual circuit hydraulic disc brakes, with autoventilation on the front axle, longitudinal deceleration sensor and deselectable ABS • Axles: 4x4, permanent 4 wheel drive, rear and central differential lock • Tires: MICHELIN XZL 255/100R16 – single rear wheels • Voltage: 12 V • Batteries: 12V – 100 Ah • Alternator: 140 A • Fuel Tank: 140 lt , inox <p>Additional Equipment:</p>

	<p>110V Power Supply outlet (for tools) Towing equipment: Ball & Pin Tow Hitch @ rear, towing eyes at rear and front</p> <p>Provision for 10.5 mtr extension ladder (ladder gantries) + Triple extension ladder</p> <p>Winch: (located on front) – Electric, WARN M12000, Max force 5440 kg, wire 38 m Weights & Dimensions to accommodate Double Cab model</p> <ul style="list-style-type: none"> • Width: Option: 1900 mm • GVW: 6500kg (for fire fighting use) <p>Warning & Signaling Devices:</p> <ul style="list-style-type: none"> • Electronic Siren (amplifier – microphone – speaker 100 W). Three (3) tones at least, as well as electronic horn tone. Public address • Light bar, (BLUE) LED, latest generation, on the roof • Six (6) circumferential LED lights, latest generation (2 front – 2 rear – 2 side) <p>Pump type: Prima PC2A+ CAFS (according to EN 1028) Performance: 2000 lpm @ 10 bar / 250 lpm @ 40 bar With automatic priming</p> <p>Electronic foam proportioning system: FOAMLOGIX 2.1A by HALE Max flow foam: 8 lt/min Max operation pressure: 17 bar Mixing percentage: 0.1% - 10% Foam type: A Class A/B</p> <p>Air compressor: Min / Max operation pressure: 4 / 10 bar Nominal air capacity: 1415 lt/min @ 7 bar</p> <p>CAFS performance: Min / Max operation pressure: 4 / 10 bar Ratio air to water – foam solution: 3:1 up to 20:1 Flow of water – foam solution - "dry foam": 70 lt/min Flow of water – foam solution - "wet foam": 450 lt/min</p> <p>Water tank: Rectangular section, 1100 lt capacity galvanized steel or stainless steel AISI 316 L, with antisurge baffles, manhole, relief and overflow pipe, filling inlets</p> <p>Foam tank: Stainless steel AISI 316 L, rectangular section, 150 lt capacity, with antisurge baffles, filling (through electric pump), relief and overflow pipe, manhole</p> <p>Hose reels:</p> <ul style="list-style-type: none"> • one (1) electric hose reel, high pressure, with brake, stainless steel piping, hose 1" - 60m, gun Protek style 361 (κατά NFPA 1964), adjustable flow (50 - 230 lt/min), jet and fog throw, operation pressure up to 40 bar • one (1) electric hose reel, medium pressure, to be used with CAFS, with brake, stainless steel piping,
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	<p>hose 1½", 30m, special split Protek nozzle and various nozzles either for CAFS throw or for water or foam solution throw</p> <p>Piping:</p> <ul style="list-style-type: none"> • Suction from external water supply and discharge or/and tank filling • Suction from the tank • Discharge: <ul style="list-style-type: none"> – Two (2), medium pressure, with standard 63mm instantaneous couplings and blank caps – One (1), high pressure, to the HP hose reel – One (1), medium pressure, to the CAFS hose reel, (for CAFS, or water, or foam solution) – One (1), medium pressure, with standard 63mm instantaneous and blank cap, for CAFS, or water, or foam solution – Outlets for engine cooling with water from the pump – Four (4) self protection spraying nozzles <p>Vehicle equipment: (All equipment to be secured with roller shutter doors on rear compartments)</p> <p>The equipment of the vehicle is adjusted to specific requirements.</p> <p>Indicatevely the vehicle is equipped with:</p> <ol style="list-style-type: none"> 1. One (1) specific branchpipe for CAFS throw, with standard 63mm instantaneous coupling 2. One (1) specific branchpipe equipped with various accessories, with standard 63mm instantaneous coupling, proper for CAFS throw, or water-foam solution, etc 3. Two (2) branchpipes for water, with rotating adjustable nozzle, flow rate 0-300 l/min @ 5 bar and standard 63mm instantaneous coupling 4. Two (2) low pressure branchpipes with standard 63mm instantaneous coupling, without valve 5. One (1) foam making branchpipe, with valve, flow rate 200 l/min @ 5 bar, with standard 63mm instantaneous coupling 6. One (1) portable foam proportioner, 200 lt/min @5 bar, with standard 63mm instantaneous coupling 7. One (1) suction filter, with non-return valve and 100mm London Round Tread coupling 8. One (1) adjustable wrench for overground hydrants 9. Two (2) set of universal wrenches for hard suction couplings 10. Five (5) elastic bandages for Ø 45 mm hoses and three (3) for Ø 65 mm hoses 11. Two (2) cotton water jars 10 lt 12. Ø 110 mm suction hoses made from reinforced rubber (3 pieces x 3m) 13. One (1) backpack fire extinguisher with collapsible water tank with capacity 20 l approx. <p>Portable fire extinguisher mounting brackets for dry powder 2-3 kg (for drivers cab), dry powder 6 kg & CO2, 5 kg - Extinguishers not require.</p> <ol style="list-style-type: none"> 14. Two (2) portable fireman searchlights LED type, explosion proof type, recharging from the electric system of the vehicle 15. Two (2) rear headlamps LED type 16. One (1) metallic toolbox 17. Two (2) wedges/chocks to secure stopped vehicle against rolling 18. Three (3) plastic boxes <p>Provision for installation up to three (3) breathing apparatuses, complete, open circuit type (Sabre Propak)</p>
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Proposal Submission	<p>The proposal should consist of the following information:</p> <ol style="list-style-type: none"> 1. Company/ partnership overview including history and vehicles provided 2. A summary showing how your company will meet our requirements including any areas of variation. 3. Milestones / projected dates for build and delivery. 4. Full costings ex VAT with freight charges broken out separately <ul style="list-style-type: none"> • The vehicles are need urgently and therefore preference will be given where lead times can be minimised.
Evaluation Criteria	<p>Proposals will be evaluated on the following criteria:-</p> <p>Cost 60%</p> <p>Technical & Quality 20% (4x4 Fire Tender Capability/ Client Base/ References/ Warranty)</p> <p>Mobilisation 20% (Minimum lead time)</p>
Terms & Conditions	St Helena Standard Purchase Order Terms & Conditions for Goods and Services
Deadlines for Quotation/ Proposals	<p>The deadline for submission of queries relating to the procurement is 4pm GMT on Friday, 29th January 2016.</p> <p>The deadline for submission of proposals is 4pm GMT on Friday, 5th February 2016.</p>
SHG Contact	<p>Submissions and Queries to be sent to:-</p> <p style="text-align: center;"> Noleen Herne Corporate Procurement Assistant Corporate Services St Helena Government Tel + (290) 22470 Fax + (290) 22598 Jamestown, St Helena Island, STHL 1ZZ </p> <p style="text-align: center;"> noleen.herne@sainthelena.gov.sh www.sainthelena.gov.sh </p>