



CITY OF KNOXVILLE
 OFFICE OF THE PURCHASING AGENT
 P.O. BOX 1631
 400 MAIN ST., ROOM 667
 KNOXVILLE, TN 37901

QUOTATION SHEET

THIS IS NOT AN ORDER

DATE: 10/23/2018 PAGE 1 Of 1

DOCUMENT NUMBER: **560671**

READ ALL INSTRUCTIONS AND CONDITIONS ON ATTACHED PAGES BEFORE QUOTING. QUOTE ON THIS FORM ONLY.
 QUOTE PRICE ON ITEMS LISTED OR EQUAL.

****ALL PRICES TO INCLUDE TRANSPORTATION CHARGES & NET TERMS UNLESS STATED OTHERWISE ****

Merchandise to be delivered to : See delivery instructions

QUOTE will be received at: Office of the Purchasing Agent, Room 667, 400 Main St., Knoxville, TN 37902,
 until 10/31/2018 02:30:00 PM

TELESCOPIC RESCUE RAM

Special Instructions:
 Price quoted must include all freight and delivery charges. The equipment will be delivered to 1625 Highland Avenue, Knoxville, TN. Direct all questions to jtucker@knoxvilletn.gov.

No.	Quantity	Description	Brand	Unit	Unit Price	Total	Applicable Discount
1	1 Each	GTR 5340 Greenline Telescopic Ram and extension. See attached specifications.					

IMPORTANT - State Merchandise

Delivery Date Here: _____

Buyer Name: Tucker, James
 Phone: 865-215-2064
 Fax: (865) 215-2277
 Email: jtucker@knoxvilletn.gov

 (Company Name)

 (Authorized Signature)

 (Print Signed Name)

 (Phone Number)

 (Email Address)

Request for Quote

This is not a sealed bid. Quotes can be emailed or faxed to the Office of the Purchasing Agent. See instructions below.

The City of Knoxville requests your quoted price for the item listed on the attached quotation sheet; award will result in a purchase order from the City of Knoxville. The following request is for a battery operated telescopic rescue tool for the Knoxville Fire Department. Please see the attached specifications associated with the rescue tool. All equipment will be delivered to 1625 Highland Avenue, Knoxville, TN. Vendor to contact Chris Foster 24 hours before delivery. **In order for your quote to be considered for award, your completed form must be faxed or emailed to the Senior Buyer no later than 2:30 p.m., October 31, 2018.**

By submitting a quote to the City of Knoxville, the submitter warrants the following:

1. The quote is good for 60 days.
2. The Quoter is licensed to conduct business in the State of Tennessee.
3. The Quoter will use environmentally friendly products and services whenever possible.
4. The Quoter has not entered into any collusion with any person in respect to the pricing of this order or any other.
5. The Quoter represents and agrees to the indemnification clause attached to this document.
6. The Quoter, to the best of its knowledge and belief, does not engage in investment activities in Iran and is not on the list created pursuant to T.C.A 12-12-106 (available at [http://www.tn.gov/content/dam/tn/generalservices/documents/cpo/cpo-library-information-library/List of persons pursuant to Tenn. Code Ann. 12-12-106 Iran Divestment Act updated 7.7.17. pdf](http://www.tn.gov/content/dam/tn/generalservices/documents/cpo/cpo-library-information-library/List%20of%20persons%20pursuant%20to%20Tenn.%20Code%20Ann.%2012-12-106%20Iran%20Divestment%20Act%20updated%207.7.17.pdf))
7. The Quoter shall be responsible for full compliance with all applicable federal, state, and local laws, rules and regulations.

QUOTE SECTION

Having carefully examined the specifications concerning the rescue ram, we hereby propose to supply the product as specified for the following sum:

Total price (includes freight) \$ _____

GUARANTEED delivery: _____ days after receiving the order.

Firm Name: _____

Signature of Quoting Official: _____

Telephone: _____

Email: _____

Please send your written quote to either the email address or fax number shown below:

James Tucker
Senior Buyer
City of Knoxville
jtucker@knoxvilletn.gov
FAX: (865) 215-2277

Request for Quotes –Telescopic Rescue Ram

INDEMNIFICATION CLAUSE

Contractor shall defend, indemnify and hold harmless the City, its officers, employees and agents from any and all liabilities which may accrue against the City, its officers, employees and agents or any third party for any and all lawsuits, claims, demands, losses or damages alleged to have arisen from an act or omission of Contractor in performance of this Agreement or from Contractor's failure to perform this Agreement using ordinary care and skill, except where such injury, damage, or loss was caused by the sole negligence of the City, its agents or employees.

Contractor shall save, indemnify and hold the City harmless from the cost of the defense of any claim, demand, suit or cause of action made or brought against the City alleging liability referenced above, including, but not limited to, costs, fees, attorney fees, and other expenses of any kind whatsoever arising in connection with the defense of the City; and Contractor shall assume and take over the defense of the City in any such claim, demand, suit, or cause of action upon written notice and demand for same by the City. Contractor will have the right to defend the City with counsel of its choice that is satisfactory to the City, and the City will provide reasonable cooperation in the defense as Contractor may request. Contractor will not consent to the entry of any judgment or enter into any settlement with respect to an indemnified claim without the prior written consent of the City, such consent not to be unreasonably withheld or delayed. The City shall have the right to participate in the defense against the indemnified claims with counsel of its choice at its own expense.

Contractor shall save, indemnify and hold City harmless and pay judgments that shall be rendered in any such actions, suits, claims or demands against City alleging liability referenced above.

The indemnification and hold harmless provisions of this Agreement shall survive termination of the Agreement.

GTR 5340 Battery Operated Telescopic Rescue Ram

General

This tool must be compliant with NFPA 1936 Standard on Powered Rescue Tools, 2015 edition. The tool must be capable of withstanding a static over-load pressure of twice the working pressure. This 2:1 over-load ratio is a requirement to provide maximum safety to the operator. The tool must be capable of operating as a self-contained unit without power cables for maximum portability. The tool must be a "one-person" operated lightweight tool, which means that one person will be able to position, guide and operate the tool without the assistance of others. The tool must be operate efficiently in all weather conditions and environments from -4 F (-20 C) to 131 F (55 C). The IP protection rating must be at least IP 54. The tool's sound emission may not exceed 74 db(A) @ 3.25' (1 m); 65 db(A) @ 13' (4 m).

Dead man's Handle

The tool must be activated by means of a rotary dead man's handle, operated by a twist of the wrist. For ease of operation, the handle shall have a maximum rotation of 20° in either direction. When the dead man's handle is released, it must return to the neutral position automatically. The dead man's handle will provide one-handed control of opening and closing functions. The dead man's handle shall provide 360 degree access to the operator allowing operation of the tool in any position. The dead man's handle must be located in such a way that it can be operated, guided and supported easily by right and left handed operators without having to change the position of the hands, even when wearing gloves. The dead man's control must be capable of withstanding 6000 endurance cycles, one cycle consisting of opening and closing the tool. In addition, the ram must be able to rotate under load to allow the operating handle to be moved out of the way for patient removal.

Laser Pointer

To assure first time, perfect positioning in ramming operations, the ram must have available, as an option, an integrated laser pointer in the forward facing crosshead that indicates the exact landing position of extending plunger. The laser shall be highly visible, even in sunny, daytime operations. The laser pointer is powered by a CR1/3N battery, which is controlled by an on/off switch also integrated into the crosshead.

Lighted Carrying Handle

Designed for ease of control, the tool's carrying handle shall allow natural hand position for right or left handed operators. The lightweight, steel carrying handle shall have integrated LED lights. The tool shall remain in a balanced horizontal position when held only by the carrying handle. In order to provide improved grip in all weather conditions, the carrying handle must have a non-slip surface.

Task Lighting

To assist in any poorly lit or nighttime rescue scenario, LED lights shall be included in the carry handle. The lights shall be focused on the working area of the tool and must be completely weatherproof. The LED task lights are to be powered by a single field replaceable AA battery and shall provide a minimum of six continuous hours of illumination. To preserve AA battery life an on/off switch for the lights must also be included in the carrying handle.

Safety and Protection

When both ram plungers are fully extended and under maximum load, the safety factor against bending or buckling must be at least 2:1. For maximum safety of the operator all cutters, spreaders and rams shall contain a safety relief valve to protect the tool against over pressurization caused by sudden load shift on the tool. The tool will have automatic, non-return check valves built in so that the tool will hold the load when the dead man's handle is released. If pressure should drop because of interruption of the power source for any reason, the tool must hold the load.

GTR 5340 Battery Operated Telescopic Rescue Ram

Grip Heads

The ends of the plungers will have non-threaded connections of the grip heads to allow rotation of the tool even when the tool is under a load. Tool shall be delivered with two diamond shaped grip heads designed to prevent off-center loads.

Forces

The first plunger will have a maximum pushing force (HSF) of no less than 48,784 lbf (217 kN). The second plunger will have a maximum pushing force (LSF) of no less than 22,706 lbf (101 kN).

Weight & Dimensions

Length of closed tool not to exceed 13.2" (335 mm)
Length of extended tool must be 24" (610 mm)
Width not to exceed 18.9" (260 mm)
Height not to exceed 10.2" (480 mm)
Stroke of first plunger 5.9" (150 mm).
Stroke of second plunger 4.9" (125 mm).
Total spreading stroke 10.8" (275 mm)
Weight ready for use not to exceed 38.8 lbs (17.6 kg)
Weight without battery not to exceed 36.6 (16.6 kg)

Accessories

-Ram Support Unit

Provides firm surface to allow for full extension and effectiveness of the ram during pushing operations such as dash displacements.

Pump

Hydraulic power must be delivered from an internally mounted axial piston pump driven by an internal electric motor that operates on 28v Lithium-Ion batteries or AC/DC Adapter. The pump shall produce a maximum of 10,443 psi and operate on mineral-based hydraulic oil.

Battery & Battery Charger

The tool will operate on 28v Lithium-Ion (lithium manganese oxide/graphite) batteries. The battery shall be a 5Ah, weighing no more than 2.2 lbs. The battery must be able to operate in wet weather conditions.

Run time will vary, depending on how heavily the battery is taxed during the rescue operation, and ambient air temperature. In order to simulate a rescue, we have defined a "standard" test cycle as: open/close for 30 seconds, full pressure for one minute, open/close for 30 seconds, rest for 30 seconds.

The battery shall have internal safeguards designed to protect against: Short-circuit, Deep discharge, Over and under voltage (battery and cells), Over-current during charging and discharging, Overcharging, Over temperature (individual cells and electronics), Charging and discharging outside allowed temperature range. The batteries must be recyclable through a service available in North America. Nickel Cadmium batteries are not acceptable.

The charger shall provide a 90% charge in 30 minutes; 100% full charge in 1 hr. The battery chargers shall be available for 120 VAC, 230 VAC and 12v. The charger shall have green LED lights to indicate the battery's state of charge, red LED lights to indicate the battery's condition.

GTR 5340 Battery Operated Telescopic Rescue Ram

Safety and Protection

For maximum safety of the operator all cutters, spreaders and rams shall contain a safety relief valve to protect the tool against over pressurization caused by sudden load shift on the tool. The tool will have automatic, non-return check valves built in so that the tool will hold the load when the dead man's handle is released, whether the tool is spreading or pulling. If pressure should drop because of interruption of the power source for any reason, the tool must hold the load. All moving parts such as yoke and levers must be protected by a cover for the safety of the user.

Corrosion & Wear Protection

Internal and external aluminum parts of the tool that are susceptible to wear or corrosion must be protected by anodization to provide maximum durability. The tool must be capable of withstanding a 10 day salt spray test, and still be able to function normally.

Lifetime Warranty

The manufacturer shall warrant this tool against all defects in material and workmanship for as long as owned by the original purchaser.