



**TOWN OF STRATFORD
PURCHASING DEPARTMENT
STRATFORD, CONNECTICUT**

BID No. 2010-002

Issued : January 5, 2010

Subject : Fire Hose

The Town of Stratford through the Office of the Purchasing Agent, will receive SEALED BIDS for furnishing the equipment described in the accompanying specifications, in accordance with the instructions, conditions and reservations that follow:

A. CLOSING DATE:

Bids will be received until 3:00 pm January 12, 2010, at which time they will be publicly opened and read. All bidders are invited to attend this public opening, which will be held immediately following the closing time specified above, in the Office of the Purchasing Agent, Room 202, Town Hall, 2725 Main Street, Stratford, CT 06615.

Any bid may be withdrawn prior to the above-scheduled time for receiving bids or authorized postponement thereof. Any bids received after the date and time specified shall NOT be considered. No bidder may withdraw a bid within 45 days after the actual opening thereof.

B. INSTRUCTIONS:

Bid proposals are to be submitted **(TWO COPIES)** in a sealed envelope and clearly marked with the bid number and description on the outside of the envelope, including all outer packaging (DHL, FedEx, UPS, etc).

Bids must be delivered to:

Purchasing Department
Stratford Town Hall – Rm 202
2725 Main Street
Stratford, CT 06615

C. CONDITIONS:

Bid Surety:

A bid surety is not required for this bid.

Payment: Final payment will be made upon the acceptance of the completed work by an authorized representative of the Town of Stratford. NO partial payments will be made. Invoices covering the work specified herein should be forwarded to the Purchasing Department upon completion of the project.

Taxes: The Town of Stratford is exempt from all State and Federal taxes. Do not include these amounts in your quotation.

Addendums: All addendums will be posted on the town website, www.townofstratford.com. It is the responsibility of the bidder to check the website for any addendums before submitting their bid.

F.O.B. Destination: All prices quoted must be net delivered to destination.

Conflict of Interest: No public official or employee shall, while serving as such, have any financial interest or engage in any business, employment, transaction or professional activity or incur any obligation of any nature which is in substantial conflict with the proper discharge of his/her duties or employment in the public interest.

D. RESERVATIONS:

The Town of Stratford may consider informal any proposal not prepared and submitted to the Town in accordance with the provisions herein stated. The Town of Stratford reserves the right to reject any or all proposals or parts of proposals; to waive defects in same proposals; or to accept any proposal or part thereof deemed to be in the best interests of the Town of Stratford.

Michael Bonnar, Purchasing Agent

For questions or additional information, please contact Jim Cavanaugh, Fire Chief at 203-385-4070

SPECIFICATIONS: See next page.

Town of Stratford
BID #2010-002
Fire Hose
Specifications

Scope

Hose manufactured to this specification shall be of superior quality and workmanship. This heavy-duty double jacket fire hose shall be designed to withstand the rough usage of front line fire fighting.

Construction and Features for LDH, 2 ½" and 1 ¾" Hose

1. The hose shall be of double jacket construction.
2. The inner jacket shall be made with high tenacity filament polyester yarn in both the warp and weft directions to provide maximum strength.
3. The outer jacket shall be made with virgin spun polyester warp yarn and a filament polyester weft yarn. Hose made using nylon or other materials shall not be considered as meeting this specification.
4. The hose outer jacket shall have a minimum filler yarn of 11.3 per inch (445 per meter).
5. The hose shall be resistant to most chemicals and petrol products, rot & mildew, hydrolysis, and resist deterioration due to exposure to UV-rays and ozone.

Construction and Features for Forestry Hose

1. The hose shall be lightweight nitrile rubber through-the-weave construction.
2. The inner jacket shall be made with synthetic material.
3. The synthetic jacket shall be completely protected and locked in by a heavy rib rubber cover and lining for extra toughness and durability.
4. The hose shall withstand temperatures from 1200 degrees F to -37 degrees F.

Construction and Features for Flexible/Corrugated Hard Suction

1. The hose shall be constructed of rubber and polyester reinforced with a round steel wire.
2. The inner jacket shall be made with high tenacity filament polyester yarn in both the warp and weft directions to provide maximum strength.
3. The outer jacket shall be made with virgin spun polyester warp yarn and a filament polyester weft yarn. Hose made using nylon or other materials shall not be considered as meeting this specification.

4. The hose outer jacket shall have a minimum filler yarn of 11.3 per inch (445 per meter).
5. The hose shall be resistant to most chemicals and petrol products, rot & mildew, hydrolysis, and resist deterioration due to exposure to UV-rays and ozone.

Performance for LDH, 2 ½" and 1 ¾" Hose

1. The hose shall have minimum service, test and burst pressures as specified in the Technical Chart. Hose, which does not meet these minimum pressures, shall not be considered as meeting this specification.
2. The hose shall have a maximum flow with minimum friction loss.
3. The hose jacket shall be highly abrasion resistant.
4. There shall be no defects, dirt, knots, lumps or other irregularities affecting the performance of the hose.
5. The hose must resist kinking and remain flexible to –65 degrees Fahrenheit.

Performance for Forestry Hose

1. The hose shall have minimum service, test and burst pressures as specified in the Technical Chart. Hose, which does not meet these minimum pressures, shall not be considered as meeting this specification.
2. The hose shall have a maximum flow with minimum friction loss.
3. The hose jacket shall be highly abrasion resistant.
4. There shall be no defects, dirt, knots, lumps or other irregularities affecting the performance of the hose.
5. The hose must resist kinking and remain flexible to –37 degrees Fahrenheit.

Performance for Flexible/Corrugated Hard Suction

1. The hose shall be more flexible than most standard hard suction hose for easier and faster hookup for pumper to hydrant and pumper to tanker.
2. The hose shall have a maximum flow with minimum friction loss.
3. The hose jacket shall be highly abrasion resistant.
4. The hose must be designed for full vacuum.
5. There shall be no defects, dirt, knots, lumps or other irregularities affecting the performance of the hose.

Lining for LDH, 2 1/2" and 1 3/4" Hose

1. The hose lining shall have excellent resistance to most chemicals, petrol products, ozone and U.V.
2. The hose lining shall be capable of being approved for potable water, when so ordered.
3. The thermoplastic lining material used for this specification shall have a flawless record in the fire hose industry.
4. The hose jacket shall be lined by the patented Metrex method. The lining material in its molten state shall fill the corrugation of the weave fusing to every warp and filler thread and provide a very smooth and low friction waterway. No adhesive or backing material shall be used to bond the lining and it shall yield maximum flow with minimum friction loss. A hose manufactured by inverting an exterior coated hose shall not be considered as meeting this specification. Hose manufactured with the use of adhesives or backing for bonding the liner, or hose made with rubber liners shall not be considered as meeting this specification.

Standards

Fire hose manufactured to this specification shall meet and exceed all performance requirements of NFPA 1961, Underwriter's Laboratories & Factor Mutual.

Technical Chart for LDH Hose

Hose Size	Bowl Size	Weight 50' Un-coupled	Coil Diameter
5.00 in.	5 3/8 in.	43.0 lbs	17.0 in.
Service Pressure	Proof Pressure	Burst	
300 psi	600 psi	900 psi	

Technical Chart for 2 1/2" Hose

<u>Hose Size</u>	<u>Bowl Size</u>	<u>Weight 50' Un-coupled</u>	<u>Coil Diameter</u>
2.5 in.	3 in.	21.0 lbs	19.0 in.
<u>Service Pressure</u>	<u>Proof Pressure</u>	<u>Burst</u>	
400 psi	800 psi	1450 psi	

Technical Chart for 1 3/4" Hose

<u>Hose Size</u>	<u>Bowl Size</u>	<u>Weight 50' Un-coupled</u>	<u>Coil Diameter</u>
1.75 in.	2 1/8 in.	14.0 lbs	17.0 in.
<u>Service Pressure</u>	<u>Proof Pressure</u>	<u>Burst</u>	
400 psi	800 psi	1500 psi	

Technical Chart for Flexible/Corrugated Hard Suction (Hydrant Connection)

<u>Hose Size</u>	<u>Bowl Size</u>	<u>Weight 10' Un-coupled</u>	<u>Coil Diameter</u>
6.00 in.	6 7/8 in.	43.0 lbs	N/A
<u>Service Pressure</u>	<u>Proof Pressure</u>	<u>Burst</u>	
N/A	N/A	495 psi	

Technical Chart for
Forestry Hose

<u>Hose Size</u>	<u>Bowl Size</u>	<u>Weight 50' Un-coupled</u>	<u>Coil Diameter</u>
1.00 in.	1 1/4 in.	8.0 lbs	15.0 in.

<u>Service Pressure</u>	<u>Proof Pressure</u>	<u>Burst</u>
300 psi	600 psi	900 psi

**TOWN OF STRATFORD
BID SHEET**

BID # 2010-002 DESCRIPTION: Fire Hose

The Town of Stratford Fire Department is interested in purchasing 2,000 feet of 5 inch LDH supply hose in 100 ft lengths with storz connections.

Hose make/model: _____

Include a detailed description of your specifications as they match the specifications in the bid.

Unit price for 100 feet of hose: _____

Total price for 2,000 feet of hose: _____

Warranty: _____ years

The Town of Stratford Fire Department is interested in purchasing 1,000 feet of 2 ½ inch fire attack hose in 50 ft lengths with one NST threaded male connection and one NST threaded female connection.

Hose make/model: _____

Include a detailed description of your specifications as they match the specifications in the bid.

Unit price for 50 feet of hose: _____

Total price for 1,000 feet of hose: _____

Warranty: _____ years

The Town of Stratford Fire Department is interested in purchasing 1,000 feet of 1 3/4 inch fire attack hose in 50 ft lengths with one NST threaded male connection and one NST threaded female connection.

Hose make/model: _____

Include a detailed description of your specifications as they match the specifications in the bid.

Unit price for 50 feet of hose: _____

Total price for 1,000 feet of hose: _____

Warranty: _____ years

The Town of Stratford Fire Department is interested in purchasing 450 feet of 1 3/4 inch fire attack hose in 75 ft lengths with one NST threaded male connection and one NST threaded female connection.

Hose make/model: _____

Include a detailed description of your specifications as they match the specifications in the bid.

Unit price for 75 feet of hose: _____

Total price for 450 feet of hose: _____

Warranty: _____ years

The Town of Stratford Fire Department is interested in purchasing 400 feet of 1 inch lightweight attack hose in 100 ft lengths with one NST threaded male connection and one NST threaded female connection.

Hose make/model: _____

Include a detailed description of your specifications as they match the specifications in the bid.

Unit price for 100 feet of hose: _____

Total price for 400 feet of hose: _____

Warranty: _____ years

The Town of Stratford Fire Department is interested in purchasing 20 feet of 6 inch Flexible/Corrugated Hard Suction hose in 10 ft lengths with one NST threaded male connection and one NST threaded female connection.

Hose make/model: _____

Include a detailed description of your specifications as they match the specifications in the bid.

Unit price for 10 feet of hose: _____

Total price for 20 feet of hose: _____

Warranty: _____ years

Bidder's Name : _____

Address : _____

Phone : _____ Date : _____

Authorized Signature : _____

Printed Name : _____

Title : _____

Give three (3) references in other municipalities, including contact and phone:

