State of Illinois

Department of Transportation

Bureau of Business Services

**Specifications and Questionnaire for Heavy Wall Deicer Tanks**

October 2019

This specification and questionnaire covers a heavy walled storage tank(s) for use in storing various melting agents for use by Department of Transportation pavement maintenance operations. The Department of Transportation is specifying acceptable units by required accessories as outlined below.

Each bidder shall submit with their bid **two sets** of descriptive literature and specifications describing all the equipment and options proposed. This information shall be clearly marked to indicate the make, model, and accessories proposed to be furnished.

Bidders quoting on equipment must submit with their bid written proof of the following:

* The manufacturer of the equipment proposed has been actively involved in the manufacture of the equipment called for in the questionnaire for a period of not less than 5 years.
* Parts and service for the equipment proposed are readily available to the State of Illinois.

It is the responsibility of each bidder to complete and return this questionnaire with the bid.

**Unless otherwise specified, the proposed equipment shall be complete in all parts and ready for immediate use upon delivery.**

**Bidders are advised to carefully read these specifications as changes have been made since the last solicitation issue.**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Proposed with this Bid:** | | | | | | | | | |
| Make: |  | | | | | |
| Model: | |  | | | | |
| Manufactured by: | | | | | |  | |
| Bidder: | | |  | | | | |
|  | | | | | |
| Contact name: | | | | |  | |
| Telephone: | | | |  | | |
| Email: |  | | | | | |

The Illinois Department of Transportation reserves the right to waive minor informalities, deficiencies or technical variances which by their nature are restrictive to a given manufacturer, if in its’ judgement, it would be in the best interest of the State to do so and it would not prejudice the rights of other bidders.

Serviceability will be a factor in award. Successful bidder shall either be able to provide service after purchase or shall indicate other qualified service facilities able to service equipment, within a reasonable period of time at agency locations. Bidder shall provide documentation and enumerating service locations. A Review of the bidder's ability to provide prompt parts and service to the State of Illinois and in particular to the delivery location, will be considered in determining award.

Bids will only be accepted from established manufacturers or their authorized dealers. Any dealer submitting a bid hereby guarantees that it is an authorized dealer of the manufacturer and that the manufacturer has agreed to supply the dealer with all quantities of products required by the dealer in fulfillment of its obligations under any resultant contract with the State. Bidder must submit authorized dealer letter upon request.

**Warranty:**

Unless otherwise specified, Manufacturers’ standard warranty shall be provided. **Bidder shall attach copies of warranty with bid****. Warranty shall commence at the Illinois Department of Transportation in-service date.** If any equipment fails to conform to the warranties during the applicable warranty period, the Vendor or Manufacturer will adjust, repair or replace the equipment at no charge to the Department as soon as possible upon notice from the Department. Equipment shall be repaired on-site and will be performed at no additional cost to the Department.

The Vendor may provide or perform warranty service at a dealer location within the Districts geographic region if on-site repair is not possible. Vendor shall facilitate pickup and delivery of equipment at Vendor's cost if warranty repair(s) are made off-site during the warranty period. The contract Vendor is responsible for any failure of their allied or sub-contractors’ fulfillment of said warranties. Failure to provide this service shall result in a “Complaint to Vendor” that could affect future bid awards.

**Delivery:**

It will be the responsibility of the successful vendor to guarantee delivery within the quoted time and to require allied manufacturers or suppliers to complete the installation of auxiliary equipment in accordance with the quoted delivery time.

Failure to comply with the quoted delivery time because of delays resulting from the inability of suppliers of allied equipment such as bodies, snowplows, spreaders, etc., may be reason to refuse to consider similar items from those suppliers on future bids.

All equipment provided by the Vendor and the sub-contractor(s) shall be fully operational when delivery is made. Any noted defects at the time of delivery shall be addressed by Vendor in the first 30 days of in-service.

Bidder/Vendor acknowledges the requirements above. Yes  No

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| --- | --- | --- | --- |
| Bidder/Vendor Initials: |  | Date: |  |

**Note: If the equipment proposed exceeds the minimums called for in the specification please do not mark NO. Mark YES and explain with a short comment on how it exceeds.**

**Tank(s):**

The tank(s) shall be used to store a variety of melting agents designed for the winter maintenance of highways. These agents will include but not be limited to Liquid Magnesium, Calcium Chloride, Beet Juice, or Liquid Salt Brine. The tank(s) must be capable of safely containing liquids weighing up to and including 16 pounds per gallon, in the capacities requested.

***The following accessories and options shall be included with the Heavy Walled Tanks:***

The sizes of the tanks will be requested in the bid. Each tank shall be delivered to the address in the bid. The tank sizes are as follows:

* 6,000 gallon 102” diameter x 182” high (approx.)
* 10,000 gallon 141” diameter x 160” high (approx.)
* 15,000 gallon 165″ diameter x 186″ high (approx.)
* 20,000 gallon 185″ diameter x 242″ high (approx.)

Complies:  Yes  No

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| If No describe: |  |
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The tank(s) shall be heavy wall constructed. The tanks shall be furnished from a single supplier and shall be equal or superior to Norwesco Vertical Storage Tanks in their Heavy-duty blue tank series. Other products from other manufacturers will be considered but they must be equal to or exceed these qualities.

Complies:  Yes  No

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| Tank manufacturer: |  |
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Tiedown assembly (if required) shall be manufacture of galvanized steel, utilize tank’s molded-in top dome lugs (eight) and be compliant to IBC 2012 & CBC 2013 standards.

Complies:  Yes  No

Each tank shall be equipped with the following ports and fittings:

* Manhole in the top, with replaceable gasket, and secured, approximate diameter 16” -24” (depending on the capacity of the tank)
* On the side of the tank, approximately 10” above the bottom of the tank (tee fitting) w/tube. This must also accept 3” full port cam-lock fittings.
* On the side of the tank, approximately 30” above the fitting listed above tank (tee fitting) w/tube. This must also accept 3” full port cam-lock fittings.

Complies:  Yes  No

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| Describe if different: |  |
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The tank(s) must be capable of safely containing liquids weighing up to and including 16 pounds per gallon, in the capacities requested.

Complies:  Yes  No

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| --- | --- |
| Describe tank rating: |  |
|  | |

**Delivery:**

The tank(s) shall be delivered in first-class condition with acceptance subject to Department of Transportation inspection and approval.

Complies:  Yes  No

The tanks shall be delivered and ready for operation.

Complies:  Yes  No

Two (2) copies of all operators’ manuals, parts lists, electrical schematics, and warranty information shall be provided at time of delivery.

Complies:  Yes  No

***Note:*** The manuals, parts lists, and service or shop manuals listed above may be furnished on CD/DVD or flash drive in lieu of paper.

Standard tool kits or special tools required for service or maintenance shall be provided.

Complies:  Yes  No  Not Required

**Requirements Covering Items Detailed Above:**

All equipment cataloged as standard or safety related shall be furnished and in place and shall be included in the purchase price of the unit. Any parts, tools, and/or accessories not specifically called for but required for proper operation shall be provided.

Complies:  Yes  No

Since the continuous operation of this equipment is of the utmost importance and generally of an emergency nature, it is necessary that the successful bidder be in a position to render prompt parts and service within the State of Illinois.

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| List sources for service: |  |
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The vendor or manufacturer of the unit which is considered for award shall, at the request of the State of Illinois, demonstrate this or similar equipment within the receiving District in the State of Illinois and in the presence of authorized state personnel to prove out any features in question.

Complies:  Yes  No

**Warranties, Coverage and Duration:**

Full coverage warranty on all components for a minimum 12 months from date put in service shall be provided. Attach a copy of warranty with the bid.

Complies:  Yes  No

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| Describe warranty: |  | |
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| If No to any portion, explain: | |  |
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**Bid Package:**

If not quoting in BidBuy, bidders will need to send two copies of each of the following with their bid response.

a) Specification Questionnaire

b) Descriptive Literature