

CITY OF MOSCOW MILLS,  
MISSOURI PUBLIC WORKS  
**REQUEST FOR BID (RFB) FOR:**  
***6" Dri-Prime Trailer Mounted Pump***

## **Bid Scope**

**1. Purpose:** The City of Moscow Mills is soliciting bids from qualified companies for the purchase of a Godwin Dri-Prime 6" SD150M, trailer mounted, automatic priming centrifugal pump, or approved equal.

**2. General Requirements:**

2.1 The unit shall be new, unused, and of the current year's production. The unit shall be of the latest design and in current production, completely serviced, ready for work and shall include all standard and optional equipment as specified herein.

2.2 The pump shall be used to pump raw sewage and for subsurface dewatering.

2.3 The pump and accessories shall be supplied by the pump manufacturer.

2.4 Pump and priming system shall be fully automatic, needing no form of adjustment or manual addition of water for the priming system. The pump shall be capable of static suction lifts to twenty-eight (28) vertical feet, at sea level. It shall also be capable of operation using extended suction lines.

2.5 No water shall be required in the pump to achieve a prime.

2.6 The pump shall include male ball and socket quick connect adapters on the suction and discharge.

2.7 Pump shall have the capability to operate automatically (automatic start) and include a minimum 50' mechanical float set.

2.8 The diesel engine driven pump unit with skid base shall be mounted on a trailer suited for highway travel at 50 M.P.H. and wired for over the road usage per applicable Department of Transportation Standards.

2.9 Close coupled centrifugal pump with vacuum priming compressor mounted to a diesel engine.

2.10 Extensive application flexibility; will handle raw sewage, slurries, and liquids with solids up to 3" (75 mm) in diameter.

2.11 Dry running, oil bath mechanical seal with abrasion-resistant solid silicon carbide faces.

2.12 Continuously operated Godwin venturi air ejector priming device featuring belt driven air compressor requiring no form of periodic adjustment or control.

2.13 All cast iron construction with cast chromium steel impeller.

2.14 Standard John Deere 4045-T2, John Deere 4045T-T3, Caterpillar 3054C-NA, Isuzu 4LE2T (FT4), or other approved engine.

### **3. Technical Specs:**

#### **3.1 Godwin Dri-Prime 6" SD150M Automatic Priming Centrifugal Pump**

- 3.1.1 Pipe Connections: 6" (150 mm) ASA 150#
- 3.1.2 Max Capacity: 1700 GPM (358.9 m<sup>3</sup>/h)
- 3.1.3 Max Head 160' (48.8 m)
- 3.1.4 Solids Handling 3" (75 mm)
- 3.1.5 Impeller Diameter 11" (379 mm)
- 3.1.6 Max Op. Temp. + 212 F (100 C)
- 3.1.7 Max Working Press. 58.5 psi (4 BAR)
- 3.1.8 Max Suct. Press. 40 psi (2.8 BAR)
- 3.1.9 Max Test Press 88 psi (6.1 BAR)
- 3.1.10 Max Op Speed 2200 PRM
- 3.1.11 Fuel Tank Capacity 30\*-100 gal (113.5-378.5L)
- 3.1.12 60 gal (227 l) standard equipment

### **4. Tools, Spare Parts, & Training:**

*The manufacturer shall furnish the following with the pump system.*

- 4.1 A recommended list of spare parts.
- 4.2 An Operations and Maintenance Manual.
- 4.3 Up to two hours of on-site start up training for City staff.

### **5. Warranty:**

- 5.1 A minimum of one-year parts and labor warranty issued by the manufacturer on the portable pump. The warranty shall include all parts, including the mechanical seal, labor, travel and all associated expenses incurred by the manufacturer to provide factory authorized service.
- 5.2 The manufacturer must also supply a copy of the engine manufacturer's parts and labor warranty and two repair/troubleshooting/parts manuals.

### **6. Pricing**

- 6.1 Prices must remain firm for a period of not less than ninety (90) days from the date of closing.
- 6.2 Bid price shall include delivery to the City of Moscow Mills maintenance building located at 500 State Hwy. MM in Moscow Mills, MO 63362.

**Pricing:** The bidder must provide pricing information as specified below to provide for the purchase of a Godwin Dri-Prime 6" SD150M, trailer mounted, automatic priming centrifugal pump, or approved equal, as specified in accordance with the terms and conditions of this Request for Bid.

**Bid Due:** Sealed bids must be received no later than 12:00 PM CST on Tuesday, February 12, 2024. Bids received after this time will not be considered. Bids must be submitted in a sealed envelope clearly marked: "Diesel Trash Pump Bid". Submit bids to:

**City of Moscow Mills Public Works**

**PO Box 36**

**995 Main Street**

**Moscow Mills, MO 63362**

The envelope should contain one (1) original signed copy of the complete bid package.

Questions regarding the bid should be directed to:

Rob Hamlin

[rhamlin@moscowmillsmo.com](mailto:rhamlin@moscowmillsmo.com)

or by phone: 636-290-5465