

STATEMENT OF WORK

Commonwealth of Pennsylvania
Department of Conservation and Natural Resources
Bureau of Forestry

1500 GALLON TRUCK MOUNTED FIRE SUPPRESSION SKID UNIT

I. SCOPE OF WORK:

The Pennsylvania Department of Conservation and Natural Resources, Bureau of Forestry, Weiser State Forest requires a vendor to supply and deliver a 1500-Gallon Truck Mounted Fire Suppression Skid Unit.

Any questions regarding the technical aspect of this bid should be directed to Heather Yeager at (570)449-4125 or heyeager@pa.gov. Questions regarding the contracting or bidding procedure should be directed to Jenna English at (717)787-3278 or jenenglish@pa.gov.

II. 1500 GALLON TRUCK MOUNTED FIRE SUPPRESSION SKID UNIT SPECIFICATIONS:

Truck mounted fire suppression skid unit must have the following specifications, must be assembled and ready to attach to truck, and must be factory tested:

A. Tank

1500 Gallon capacity polypropylene water tank/skid unit. The Tank walls and lid shall be constructed of ½" thick Black, UV resistant, Polypropylene material. The tank floor and pump platform shall be ¾" thick of the same material. It shall be baffled with 3/8" transverse and longitudinal baffles to meet NFPA standards. The tank shall be approximately 107 in. Long x 90in. Wide x 39 in. High. The entire skid unit shall be approximately: 147 in. Long x 90 in. Wide x 44in. High, including the Hose Reel. The tank, as a minimum, shall include the following:

1. Minimum 8" water fill tower with screen and 3" vent/overflow located at the passenger side rear corner
2. Full-height white poly water level sight gauge
3. Tank top mounting tracks for Hose Reel
4. 2" minimum Diameter Suction Port in FPT with backer donut
5. 1 ½" minimum Diameter Fill Port in FPT with backer donut
6. 2" minimum Diameter Drain Port in FPT with backer donut
7. 10" Newton Dump Valve with Extension
8. The suction port shall be plumbed to the dead center of the tank both front to

back side to side then elbowed down above the tank floor, giving the best draft capacity for on and off-road use.

B. Pump

Mercedes Textiles/Wick BN4200-18B: 4 Stage pressure pump. Powered by an 18 HP Briggs & Stratton or A Waterax BB4-21H pump powered by a 21hp Honda engine.

1. Engine: 18 HP, 4 Stroke, Air-cooled. Electric start/Recoil start backup. 5-gallon Aluminum Fuel Tank
2. Pump: 4 Stage High-Pressure via maintenance-free speed increaser Speed increaser shall be mounted to the pump in a horizontal fashion so the pump cavity is normally flooded by the tank (drafting not required). Pump Drain, Sealed Bearing 2" NPSH Suction, 1 ½" NPSH Discharge; Max PSI: 420; Max GPM: 105 Low Pressure Cut Off Switch Quick Detachable pump end via stainless steel band clamp
3. The pump shall be mounted no more than 4" off the tank floor so the pump cavity is normally flooded with water from the tank and priming is not required.
4. Primer – Aluminum Guzzler Primer included
5. Oil Drain Valve with hose installed in the crankcase

C. Hose Reel

200. capacity of 1in. diameter hose.

1. Hannay 12VDC Hose Reel in painted steel with a 1in. Diameter male riser in NH thread and with C2 4-sided roller assembly shall be supplied and shipped loose for Department mounting on the passenger side rear corner of the flatbed

D. Reel Hose

200 Ft. of 1 in. Mercedes Textiles Boostlite lightweight Booster Hose with Permatak abrasion resistant treatment in yellow, shall be supplied and installed.

1. The hose shall be fitted with a field repairable coupling for quick repair in 1 in NH thread, and a 1 in. NH dual range Fog Nozzle included. ¾" x 100ft Boostlite = 16lbs; 1" x 100ft Boostlite = 21lbs

E. Plumbing

All valves to be Apollo US Made full port ¼ turn industrial brass ball valves rated to 500 PSI. All plumbing to be stainless steel. All suction side plumbing to be rated at 150 PSI minimum. All discharge side plumbing to be rated at 500 PSI minimum.

The pump shall be pre-plumbed as follows on the suction side:

1. 2" Diameter T
2. A gruv-lok coupling shall be installed on the suction line to eliminate vibration.

3. 1 – 2” 3-piece fire service valve with remote ‘T’ handle to the tank draft
4. 1 – 2” valved leg extended to the rear of the body for overboard draft which also will allow pre-connect, which shall have a cap w/ chain in 2” NPSH.
5. A 2” Female NPSH x 1 ½” Female” NH adapter on mounting plate will be provided for direct tank fills/pumping.

On the discharge side the pump shall be plumbed directly into a minimum 3” x 3” vertical stainless-steel manifold, via Gruv-lok flex coupling for vibration, which shall be mounted to the skid, with the following valved discharges:

1. 1 x 1 ½” Tank fill/circulate (standard)
2. 1 x 1” Hose Reel (standard)
3. 1 x 1” Overboard Discharge in _NH_ w/ cap and chain (standard)
4. 1 x 1 ½” Overboard Discharge in NH w/ cap and chain (standard)
5. Preset pressure relief valve
6. Drain Petcock
7. Eye level Pressure Gauge

All valves shall be labeled on the manifold. The system shall be designed to be drained easily leaving no water pockets for winter storage.

F. Control Panel & Power

A Wick Control Panel #71W42-2715 or Waterax WCP remote pump control panel shall be mounted at the rear of the skid unit. It shall contain at a minimum a positive and negative master terminal block, fuse panel, circuit breaker(s), reel solenoid, weatherproof reel rewind push button switch, LED light on console operated by a weatherproof toggle switch, and low water pressure bypass switch. All wiring on the skid to be at minimum 14 gauge encased in loom. All terminals shall be crimped on and then encased in heat shrink tubing. 30 Ft of positive and negative 8-gauge Battery cable in loom with circuit breaker supplied to run to truck battery.

III. DELIVERY:

Contractor will contact Heather Yeager at (570)449-4125 or heyeager@pa.gov a minimum of two (2) weeks prior to delivery of 1500 gallon truck mounted fire suppression skid unit. This will ensure that staff are available for delivery and instruction.

The delivery day and time must be between Monday - Friday 8:00am to 3:00pm

Delivery address:
Weiser State Forest
16 Weiser Lane
Aristes, PA 17920

Any damages occurring during delivery caused by the contractor’s personnel

must be repaired to the satisfaction of the Department's representative and at the contractor's sole expense.

*Bid price must include delivery, all shipping, transportation, environmental handling, unloading charges, all labor, materials, equipment, accessories, Dealer prep, one (1) hour minimum to train staff on the equipment and maintenance protocols, and all other costs necessary to provide the specified 1500 gallon truck mounted fire suppression skid unit.

IV. CONTRACT TASKS:

The following requirements must be met within the performance of this contract.

- A. Vendor must supply and deliver one (1) 1500-gallon fire suppression skid unit as specified in Section II.
- B. All equipment shall be subject to inspection and acceptance by the Forest District Manager or his designee.

V. CONTRACTOR REFERENCES AND QUALIFICATIONS:

- A. After bid opening and prior to awarding of the contract, the Department has the right to request three (3) references (names, addresses and telephone numbers) for fire suppression skid units of similar size, construction, power, and accessories received in the previous two (2) years as proof of qualifications to supply the item involved in this contract.

References are an optional tool available to the Department to help determine bidder capabilities. If any of these references are requested and a bidder cannot supply the necessary documentation and proof of compliance, the Department reserves the right to reject the bidder. The decision to both request references or reject bidders based on inadequate reference will be made solely at the discretion of the Department.

- B. Pursuant to Executive Order 2021-06, *Worker Protection and Investment* (October 21, 2021), the Commonwealth is responsible for ensuring that every Pennsylvania worker has a safe and healthy work environment and the protections afforded them through labor laws. To that end, contractors and grantees of the Commonwealth must certify that they are in compliance with all applicable Pennsylvania state labor and workforce safety laws. Such certification shall be made through the Worker Protection and Investment Certification Form (BOP-2201) and submitted with the bid, proposal or quote. Failure to submit a completed Worker Protection and Investment Certification Form may render your submission as non-responsive.

VI. CONTRACT TERM:

The contract term shall commence upon receipt of a fully executed purchase order and terminate June 30, 2024.

VII. BID AWARD:

Bidder must complete and return the following for award of bid:

- A.** The electronic Invitation for Bid to be found at:
www.pasupplierportal.state.pa.us
- B.** A properly executed Reciprocal Limitations Act Form that lists the state of manufacture for any supplies procured.
- C.** A properly executed Worker Protection and Investment Certification Form.

The bid will be awarded based on the total sum.

The contract quantities herein are estimated only and may increase or decrease depending on the needs of the Department. Please note that the Department will only accept out to two (2) decimal points when entering your pricing.

VIII. PAYMENT TERMS:

Payment will be made on a reimbursement basis following delivery and final acceptance of 1500 gallon truck mounted fire suppression skid unit.

This contract will be paid by Automated Clearing House (ACH), commonly referred to as direct deposit. Contractor should review Section V.22 CONTRACT-016.2 Payment - Electronic Funds Transfer of the attached Commonwealth's Terms and Conditions for complete details and contractor's responsibilities.

IX. INVOICES:

Invoice format must be in accordance with the IFB – Invitation for Bid.

All invoices for this contract MUST either be:

- A. Emailed** to the following for a Paperless Email Invoice Option:

Email a copy of the correctly executed invoice to: 69180@pa.gov.

For information on the Commonwealth's E-Invoicing Program, visit:

<http://www.budget.pa.gov/Programs/Pages/E-Invoicing.aspx>.

- B. Or, mailed** to the following address:

Commonwealth of PA - PO Invoice
PO Box 69180
Harrisburg, PA 17106

All invoices MUST have the purchase order number as well as your SAP Vendor Number on the invoice. The name and address listed on the purchase order must also be listed on each invoice. Failure to provide this information may result in a delay of payment.

Please Note: Vendors are reminded to **NOT** include employer identification numbers, Social Security Numbers, bank account information, or other personally identifiable information on their invoices. That information is uniquely tied to your

SAP Vendor Number and, for security purposes, should not be explicitly stated on an invoice.

X. RECEIPT AND OPENING OF BID:

Bids must be submitted via the PA Supplier Portal, to be found at www.pasupplierportal.state.pa.us. Faxed, emailed and mailed bids **will not** be accepted.

No responsibility will be attached to any employee of the Department for the premature opening of, or the failure to open, a bid not properly addressed and identified, or for any reason whatsoever.

XI. BID RESULTS:

Bidder can obtain bid results by accessing www.emarketplace.state.pa.us/bidtabs.aspx. The bids will be posted as soon as practicable following the bid opening. The results are the apparent bidders, and all bids are under review until final award of the purchase order.

Attachments:

Reciprocal Limitations Act Form

Worker Protection and Investment Certification Form