

AGENDA ITEM FOR ADMINISTRATIVE MEETING

() Discussion only
(X) Action

FROM (DEPT/ DIVISION): County Counsel

SUBJECT: Purchase Contract – Tank & Air Compressor

<p>Background: The County issued an Invitation to Bid for the purchase of a tank and air compressor pipe for the Ordnance Pipeline project. One bid was received: Hydro-Air Systems - \$555,654 Another bid was received after the time due for bids, so it was non-responsive. After a review of the bid by the consultants and staff, the bid is responsive and the recommendation is to award the contract to the bidder.</p>	<p>Requested Action: Approve notice of intent to award contract for purchase of tank and air compressor to Hydro-Air Systems in the amount of \$555,654</p>
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ATTACHMENTS: Bid

Checkoffs:

- () Dept. Head (copy)
- () Budget (copy)
- () Legal (copy)

To be notified of Meeting:

Scheduled for meeting on: April 26, 2023

Action taken:

BID SHEET
ITB-010 Ordnance Project Phase 1
Tank & Air Compressor

Line Item	Description	Quantity	Unit of Measurement	Unit Price (USD)	Extended Price (USD)	Lead Time
1	30,000 gallon Air Over Water Hydro pneumatic Tank and Instruments	1	EA	\$453,953.00	\$453,953.00	20 to 23 Weeks
2	Air Compressor	1	EA	\$46,701.00	\$46,701.00	
Bid Subtotal				\$500,654.00		
Freight Total				\$55,000.00		
Total Bid Amount				\$555,654.00		

Bidder certifies this bid is valid for 60 calendar days.

Bidder Hydro-Air Systems, Inc.

Address 242 County Road 961, Riceville, TN 37370

By (Print) Bart Knies

By (Signed) *Bart Knies*



Hydro-Air Systems, Inc.

242 County Road 961, Riceville, TN 37370

Ph: (407) 905-8850

www.HydroAirSys.com

Quotation

No. 04172023

Umatilla County Board of Commissioners
216 S. E. 4th Street
Pendleton, Oregon 97801
Attn: Bid

April 14, 2023
Ships 20-23 weeks after receipt
of order and approved drawings
FOB: Job Site

Re: Ordnance Project - Tank & Air Compressor

Terms of payment:
See Item: **W-4**

Item	Qty	Description
		We propose to furnish One Hydropneumatic Surge Tank System, complete including the following equipment and services per our interpretation of Specification Section 43 42 21, Drawings S1000 & M1008 and RFI #1.
A	1	30,000 gallon Hydropneumatic Tank 10' dia. x 50'-0" shell, designed and constructed from carbon steel to the ASME code for a 275 psi WP with a 1/16" Corrosion Allowance. Tank includes: (2) two 12" high clearance steel saddle supports, (1) one 24" flanged & hinged manway, (2) two lifting lugs, (1) one 24" 300# RFSO flanged inlet / outlet, (1) one 4" 300# RFSO flanged drain and (8) eight 2" NPT or less threaded connections. The interior is to be SSPC-10 and coated with Sherwin Williams 646 PW NSF61 Approved Polyamide Epoxy. The Exterior is to be SSPC-6 blast and coated with Sherwin Williams zinc rich primer Epoxy, and finish coated with Sherwin Williams Polyurethane Notes: 1. The finish coating color is to be Tank White 2. Includes Seismic anchor bolt calculation with Oregon P.E. Stamp 3. Includes anchor bolts per Seismic calculations 4. Materials are purchased without regard to country of origin. 5. Estimated shipping weight is 87,725 lbs.
B	1	Tank drain Gate valve, Mueller Model A-2361 , 4" resilient wedge seat, non-rising stem, hand wheel, 350# working pressure rating, flange x flange connection and includes: (1) one 4" red rubber gasket and 316 stainless steel bolt kits.
C	1	Reotemp pressure gauge, model PT45T, 4.5" dial, stainless steel case, 0-300 psi, shatterproof glass window, stainless steel rotary geared movement, stainless steel bourbon tube, 1/2" NPT bottom mount and liquid filled and (1) one Nibco 1/2" NPT stainless steel isolation ball valve and all required stainless steel fittings for a complete assembly.
D	1	Conbraco 19KHHK0275 Series, 2" x 2" ASME approved safety relief valve, Bronze body, set @ 275 psi.
E	1	4" stainless steel probewell pipe, with 4" NPT flanged stainless steel isolation valves, and includes the 4" flange gaskets and bolt kits for a complete assembly with connection length of 120".
F	1	Jogler JMG Series magnetic level gauge, 316/316L stainless steel construction, 2.5" 300 lb RFSO top & bottom mount flange style, 1" NPT Side connections, 96" center to center connection length, 120-inch unit length overall length and 104-inch measurement length with scale measuring in feet and inches, yellow/black flag bar graph with an operating pressure of 300 psi

- G 1 Endress+Hauser Model FMP51 Levelflex Series Guided Wave Radar (TDR), 2-wire, 4-20 mA Hart output signal, 2-line, 7digit, LCD display, UV Rated aluminum NEMA 4X enclosure, 0.03% accuracy, surge protection, single sensor rod, 2" flanged process connection, 1/2" NPT electrical connection. insertion length is 120"
Notes:
1. The unit includes (1) one Edco Model SS64-036-2 4-20 mA Surge Protector
- H 2 Endress+Hauser Model FTL31-1JP7/0 Vibronic point level detection switch for liquids, 20-253V AC/DC power supply, pressure rating to 580 PSI, 316L Wetted parts, 3/4" NPT process connection.
- I 2 Ingersoll Rand Model H15TX15, Type T30 high pressure simplex air compressor, splash lubricated, 2-stage, 2-piston, V-Belt driven, air cooled cast iron pump, base mounted with a 20 HP, 3-phase, 460 volt TEFC electric motor, 1800 RPM. Includes: dry type silencer, inlet filter, safety valve, belt guard with air cooled aftercooler, and low oil level shutdown switch,
Notes:
1. Rated at 58 ACFM @ 250 PSIG
2. Includes Ingersoll Rand Factory Startup Kit
3. Ingersoll Rand does not manufacturer a duplex high pressure package system. We are offering a base mount duplex system with separate air receiver tank.
- J 1 Duplex 20 HP air compressor control panel, 480 volt, 3-phase, 4-wire, main, control and air compressor breaker; NEMA motor starters, solid state overload, phase monitor, surge arrester, Nema 4 Hand-Off-Auto switches, LED pilot lights, heater with thermostat, terminal strip, remote dry contacts, elapsed time meter, UL 508 listed in a NEMA 4X 316 stainless steel enclosure 36" H x 30" L x 10" D suitable for wall mounting.
- K 1 Air receiver tank, 120 Gallon vertical configuration, 300 PSI MWAP, 24" diameter x 67" height, interior is bare steel, and the exterior is powder coated, with a shipping weight of 409 lbs. The air receiver tank includes: (1) one Reotemp Model PT45T 4.5" stainless steel pressure gauge, and (1) one Apollo Model 19KEEK0300 safety relief valve, (1) one Dwyer Instrument Model EDAW electronic pressure switch, and (1) one auto condensate drain solenoid valve for a complete assembly.
- L 1 Dyer Fiberglass, Model D-303, air compressor enclosure, fiberglass composite laminate made with rigid thixotropic resins and 30% chopped strand glass to a thickness of 1/8" and insulated with a 2 lb. sprayed polyurethane foam approximately 1" thick, resulting in an R-19 thermal insulation value and about 3-5 dBA sound reduction. The outside surface is to be white polyester gelcoat, with a UV inhibitor. The enclosure is attached by hardware to an FRP open-base flange. Stainless steel hinge, locking hasp, nuts and bolts, 10" fan set including gravity shutters with thermostat.
Notes:
1. Dimensions are 90.5" L x 63" W x 53" OAH
- M 1 Magnatrol solenoid valve for "Air Add" , model 141K56, 1-1/2" NPT, general service stainless steel body, 120 VAC coil, with a working pressure rating of 300 WOG
- N 1 Magnatrol solenoid valve for "Air Vent" , model 141K56, 1-1/2" NPT, general service stainless steel body, 120 VAC coil, with a working pressure rating of 300 WOG
- O 1 Exhaust Muffler for "Air Vent" solenoid valve, 1-1/2" NPT, constructed entirely of corrosion resistant material.
- P 1 In-line SCV check valve, 1-1/4" NPT, 316 stainless steel construction with soft seat
- Q 6 Nibco Model T-580-S6-R-66-LL, 1-1/4" NPT 316 stainless steel ball valve

- R 1 Standard manufacturer Warranty to be 12 months from date of startup & testing or 18 Months from date of shipment which ever occurs first.
- S 1 Factory Freight to job site. Off-loading of freight trucks is by others.
- T 1 All submittal data, performance curves, descriptive literature, operating and maintenance manuals.
- U 1 One trip of two days of service for a field service engineer to inspect the installation, supervise initial start-up, run field tests
- V 1 One trip of one day of a field engineer to instruct the owner in the operation and maintenance of the equipment and the complete system. To be scheduled in conjunction with initial startup and testing of the system.
- W * **Notes & Exclusions:**
 - 1. This quotation is base solely on the documents provide at the time of bid. If additional documents are made available at a later date, this quotation is subject to revision.
 - 2. Items not included: Inter-connecting piping, wiring, valves (except as noted above), mounting brackets, pumps, foundation bolts and installation. All components are shipped loose for contractor installation.
 - 3. This quotation is based on current steel prices and is valid for 60 days from issuance, after 60 days this quotation is subject to the availability and price of steel at the time of order.
 - 4. Terms of Payment are 5% for approved submittals payment due at time of invoice and 50% net 30 days from purchase of major tank materials, and 40% net 30 days from date of shipment, and 5% upon completion of Start-up and Training Services to be paid within 30 days of invoice regardless of payment from Owner.

Total excluding all applicable taxes \$555,654.00

Bart Knies

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