Bid Request

Gear Washer/Extractor and Gear Dryer Cabinet

Due by: April 26, 2019 at 2:00 PM

Chief Sitar

Tilton-Northfield Fire & EMS

12 Center Street

Tilton, NH 03276

The Tilton-Northfield Fire District is accepting bids for two (2) gear washer/extractors and two (2) gear cabinet dryers. The bids submitted shall include freight, delivery, installation, set-up, start-up, and employee training. One gear washer/extractor and dryer will be installed at the Center Street fire station in Tilton. One gear washer/extractor and dryer will be installed at the Park Street fire station in Northfield. Submitted bids will be valid for no less than 90 days from

The bids are due on April 26, 2019 at 2:00 PM in the Chief's Office located at 12 Center Street Tilton, NH 03276 by hand or mail. Bid shall be in a sealed envelope marked:

Gear Washer and Dryer Bid
Bidder's Name
Date

The District will not be responsible for late deliveries or mail delays. Any bid received after this time and date will not be accepted. The time/date stamp located at the District's reception area on the 2nd floor of the Fire Department located at 12 Center Street, Tilton, NH 03276 will be the official authority for determining late proposals.

All bids will be opened publicly in the Fire Chief's office on Friday, April 26, 2019 at 2:00 PM. The names of all proposers will be read aloud at the Fire Commissioner's Meeting in May of 2019.

The Tilton-Northfield Fire District reserves the right to accept or reject any and all bids.

Questions shall be addressed to:

Chief Michael Sitar by email: mwsitar@tnfd.org or by phone at (603) 286-4781.

ALL BID SUBMITTALS MUST MEET OR EXCEED THE LISTED SPECIFICATIONS

Gear Washer/Extractor Specifications:

1. Must be made in the USA
2. Must be Under Writers (UL) approved.
3. Equipment must be compliant with the proposed (10/2018) NFPA 1851 updates including the ability to provide proof of the proposed NFPA 1851 wash requirements on all washes – PROOF OF WASH.
4. The wash cylinder, tub, top front and sides must be constructed of 304 stainless steel. No painted or coated steel will be accepted.
5. Programmable Computer/Controller of the washer must have the ability to document that the gear was washed in the correct cycle in real time - example: cycle 03 validates cycle time, cycle completion, wash temperature, detergents programmed, and water level. The Computer/Controller via a template shall validate which garments were washed via verification by the barcoding and or RFID of the gear using a network gateway that is cloud based that documents the fire gear assigned to each member and is stored indefinitely.
6. Must have a minimum of 48 programmable wash cycles with a graphic display using words and icons.
7. Must have 12 pre-programmed NFPA 1581 (10/2018) recommended decontamination cycles.
8. Must have programmable water levels that uses a transducer that determines the accuracy of the water level to within an ounce.
9. Shall have ¾ inch fill valves, 2 hot and 2 cold. 4 Fill hoses to be included.
10. Must have automatic maintenance reminders not limited to the greasing of the bearings, etc.
11. Must have a real time clock that allows date and time stamping.
12. Must have a cycle counter.
13. Must have temperature controlled fill and thermal cool down.
14. The washer must be prepped for an auxiliary steam injection for potential steam assisted water heating.
15. The washer must have an ozone injector into the wash sump.
16. Must have water level indicator
17. Must have automatic leak detection.
18. The wash cylinder must be a minimum of 9.7 cubic feet and have a 70 pound capacity.
19. Must have Viton seals protecting the shaft bearings.
20. The motor must be a minimum of 5 horse power.
21. The extractor speed must not exceed 100Gs in the final extract.
22. The washer basket must be programmable to not turn during fill and drain.
23. Must have dual voltage 200 -240 single or three phase 2/3 wire.

24. Over flow to be internally plumbed only.
25. The chemical supply system shall include a minimum of 8 external liquid supply signals.
26. All chemicals shall be rear injected, diluted and flushed into the sump of the washer/extractor so no raw chemical comes into direct contact with materials to be washed.
27. Shall include drain troughs and drain kits specifically designed to fit behind the washers.
28. Shall include the chemistry distribution system with minimum 2 pump chemical dosing system that is expandable to a 10 chemical pump system with a flow rate up to 285 ml per minute.
29. Shall include one case each of 4 one gallon containers of Turnout Gear Soap and 4 one gallon containers of Sanitizer. Solid chemistry will not be accepted.
30. Shall have a 5 year warranty on the frame basket, shaft, bearings, and seals. 3 year warranty on all other components including wear items, such as belts.

Gear Drying Cabinet Specifications:

1. Must be made in the USA
2. Must be Under Writers (UL) approved.
3. Shall have a drying capacity of six (6) full sets of turnout gear including fifteen gloves and or boots.
4. The minimum volume of the cabinet shall be 69 cubic feet.
5. The dimensions shall not exceed 61-1/8” wide x 32-13/16” deep x 80-1/2” high.
6. The cabinet shall be constructed of heavy duty embossed steel with baked enamel paint.
7. Shall have an ozone injector installed into the drying cabinet.
8. Must have dual voltage 200 -240 single or three phase 2/3 wire.
9. Must have microprocessor touchpad control for programmable cycles.
10. Must have a minimum of 5 programmable drying cycles.
11. Must have variable temperature settings from 100 - 150°F (38 - 66°C).
12. Shall be an enclosed cabinet with all exhaust to the outside of the station by six inch round duct with a capacity of 300 cubic feet per minute.
13. Shall have dual sided air flow that send heated air around and inside turnout gear for maximum drying efficiency.
14. Must include hangers for six (6) sets of turnout gear and a rack to hold 15 gloves and or boots.