



Request for Quotation

To Provide

Fallbrook Public Utility District

Pumps and Motors

11/26/2024

Fallbrook Public Utility District

990 E. Mission Road

Fallbrook, CA 92028

(760) 728-1125

I. Introduction

On June 5, 1922, Fallbrook Public Utility District (FPUD) was incorporated to serve water from local area wells along the San Luis Rey River. Since that time, FPUD has continued to grow, and today constructs, operates and maintains facilities to supply water and sewer services to the town of Fallbrook and water and reclaimed water to the surrounding residential and agricultural areas. The District delivers potable water to 35,000 people over a 28,000 square acre service area.

II. Specifications Required

FPUD is in need of **FIVE** identical pumps and motors: 2 pump trains consisting of 2 pumps and motors each, and one spare pump and motor which will be interchangeable with any pump train position. The pump must be intermediately coupled to the motor and it must utilize a separate seal box. **The seals must be mechanical split seals rated for the pressures in any pump position within either train, allowing seal replacement in the field without un-coupling the motor from the pump.** The motors will be TEFC and include shaft sleeves and slingers (deflectors.) The pump manufacturer must provide at minimum a 3-year, 36-month warranty from date of sale.

PUMP SUPPLIER MUST ADAPT NEW PUMP VOLUTES AND STANDS TO BOLT UP TO EXISTING SITE SUCTION/DISCHARGE PIPING CONFIGURATION- MUST BE DROP-IN REPLACEMENTS FOR EXISTING PUMPS AT SITE. EACH PUMP/MOTOR MUST BE INTERCHANGEABLE WITH ANY POSITION OF EITHER PUMP TRAIN.

Pump flow/head requirements:

Each train: 750 GPM at 390' of head (pump arrangement site drawing of existing pumps provided as separate PDF document).

Standard Features Required of Proposed Pumps:

1. Shafts designed to 125% of H.I. standards. Deflections of less than .0018 inches within the seal box throughout the entire pump curve.
2. Bearing frame design criteria: minimum L10 100,000 hours.
3. Non-proprietary bearings from SKF or NSK with multiple supply sources.
4. Grease fittings extended beyond shaft guards.
5. Rotating shafts guarded but designed to permit monitoring and service without guard removal.
6. Bearing frames supplied with ¾" NPT ports for RTD sensors.
7. Bearing frames cast with multi-plane flats for vibration monitoring.
8. Shafts 416T Stainless steel
9. Non-proprietary seals and standard shaft dimensions (2.0,"2.5", 3.0", 4.0", 5.0")
10. One seal box accommodates multiply sealing types. (Packing, single, double, split)
11. Seal box predrilled for vent and flush and works in horizontal or vertical installations.
12. Multiple Impeller options all secured with keys and SS thrust washers and bolts.
13. Simple external impeller end clearance adjustment with jacking bolts and shim stacks.
14. Wear rings on impeller and suction cover, 420SS hardened to 350BHN/450BHN.

15. Large volute access port at (4:1, surface area: spherical solids rating)
16. Access cover contoured inner surface for smooth flow, no hang up, and a simple one-way install design.
17. Heavy duty close-grain ASTM 48, Class 40 cast iron as standard, with other materials available.
18. All iron components e-coated to reduce rust formation.
19. O-rings used to seal all major components.
20. Integral mounting bosses for motor stand and pump support for better transfers of forces to the foundation.
21. Cast iron pedestals designed for secure mounting and reduced vibration.
22. Suction elbows and reducing elbows with large access ports and contoured covers with (Opening surface area: Solids rating, 5:1)
23. Dimensional interchangeability with competitive brands as ordered.

Pump specifications are based on United Flow UFDP series and any other pump bid must meet or exceed the same specification. FPUD reserves the right to reject any bid that offers an item that does not meet minimum specs.

III. Quote Requirements

A fully detailed quote showing all relevant costs including taxes, shipping, and accessories, shall be included. Quote shall be on company letterhead detailing specifications of proposed pumps and motors with warranty information (no informal e-mailed quotes accepted) and estimated delivery date. The lowest quoted supplier which meets specifications shall be awarded the bid.

IV. Schedule for Selection and Award

The District anticipates that the process for awarding will be according to the following schedule:

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|------------------------|------------|
| 1. Issue RFQ..... | 11/26/2024 |
| 2. Q&A Cutoff..... | 12/11/2024 |
| 3. Quote due date..... | 12/19/2024 |
| 4. Board approval..... | 1/27/2025 |

V. Submittal Requirements

Responses shall be received no later than 12/19/2024 at 3:30 p.m. PST. Quotes shall be mailed in a sealed envelope, attention Kevin Collins, to the following address:

Fallbrook Public Utility District
 990 E Mission Road
 Fallbrook, CA 92028

Failure to comply with the requirements of this RFQ may result in disqualification.