

APPENDIX A - TECHNICAL SPECIFICATIONS

039-18 – PONY PUMPS FOR JEA LIFT STATIONS

1. SCOPE OF WORK:

The Contractor shall furnish equipment, install, and test a complete, self-contained, automatic standby pony pump system as specified herein and according to established JEA Standards (attached). The self-contained emergency system shall consist of a motor and pump unit, which shall start and stop automatically utilizing float switches in the wet well. Contractor shall furnish fuel tank, sound attenuated aluminum pony pump set enclosure, and all accessories necessary for a complete and operable installation. All materials shall be new unless specifically called for otherwise. Diesel engine driven pony pump shall be of the latest commercial type and design with all necessary piping, equipment, communications and controls and shall be in accordance with all applicable sections of JEA's Water and Wastewater Standards. All Standards are available on jea.com.

2. SHOP DRAWING SUBMITTALS AND ADDITIONAL SUBMITTALS:

The Contractor shall be required to submit a complete shop drawing to the project administrator as soon as possible for approval prior to start of construction. Pump, motor, and piping calculations shall be submitted with the shop drawings and a pump curve showing the design and run out points

- One paper set of shop drawings with an electronic copy, shall be submitted to the Project Administrator for approval.
- Shop drawings of the pony pump set, complete power and control wiring diagrams, foundation requirements, auxiliary equipment required including tanks, switches, controls, weatherproof enclosure, wiring, piping, fittings, valves and accessories shall be included.
- Manufacturer's product data describing unit, auxiliary equipment required, including switches, engine, pump and motor shall be included.

Pump selection will be made by the manufacturer utilizing the provided design point and run out condition information. Manufacturer should select the pump that has a curve which most efficiently meets the design and run out conditions provided.

- JEA shall review and return all shop drawings within two (2) weeks of receipt.

3. SAFETY

- 3.1. All Contractor personnel who perform work on JEA property must be JEA safety certified and adhere to JEA Safety and Training regulations. The Contractor shall adhere to current JEA Safety and Training regulations as referenced in the contract documents.
- 3.2. The Contractor shall take all precautions to protect the safety of its employees and others. Work safety requirements shall comply with JEA Company Safe Work Practices Manual available on-line at:
https://www.jea.com/About/Procurement/Become_a_Vendor/Contractor_Safety/Qualifications/Requirements/
- 3.3. The Contractor shall familiarize every member of the crew with all fire and safety regulations recommended by OSHA, and other industry or local governmental groups.
- 3.4. The Contractor shall be responsible for ensuring that all personnel have received the appropriate training. Supervisors may also be required to have additional training.

- 3.5. The Contractor shall provide, and personnel must wear, proper Personal Protective Equipment (PPE) as required by OSHA and JEA. PPE minimums include safety footwear, plastic hard hat (no metal), and safety glasses. Hearing protection is required while operating machinery or equipment (including saws) or other loud equipment. Footwear must have steel toe caps.
- 3.6. The Contractor shall exercise extreme care when working around energized lines or equipment to prevent accidents and interrupting service. If any such incident should result, the JEA Contract Administrator shall be immediately notified of the location of such incident.
- 3.7. The Contractor shall be responsible for all damages to JEA property and personal injury caused by non-compliance with Safety and training requirements.

4. CONTRACTOR PERSONNEL

- 4.1. All services rendered shall be by uniformed employees (company identified shirts and hard hats) of the Contractor. Shirts with offensive logos or messages, ripped jeans, shorts, tennis shoes, and sleeveless shirts are not acceptable.
- 4.2. Parking is the responsibility of the Contractor. Parking on JEA property may be approved at the sole discretion of the JEA Contract Administrator.
- 4.3. Any worker employed by the Contractor, who exhibits inadequate experience and knowledge or is incapable in his/her field, shall be removed from the work site at the discretion of the JEA Contract Administrator.

5. ADMINISTRATIVE COST AND PROFIT

- 5.1. The administrative cost, profit and other indirect Contractor costs shall not be permitted as separate billable costs. These costs should be included in the Bid Price.
- 5.2. JEA shall pay the Contractor for each install per the Unit Price. Unit prices stated in the Bid Workbook shall include all labor expenses including, but not limited to, small tools and consumables needed to perform the install and testing, needed, travel, meals, per diem, salaries, benefits, overheads, etc. Travel costs and travel time shall not be paid by JEA.

6. INVOICING

- 6.1. Company's invoice shall include the following: Contractor's company name and address, JEA's Purchase Order and work order numbers, the date and location of service provided, total amount payable with a breakdown showing cost per Unit.
- 6.2. No invoice shall be paid without the required information as stated in Section 6.1 above.
- 6.3. Invoiced pricing must match the pricing as stated on the Contractor's Bid Workbook.

7. SITE CONDITIONS

- 7.1. The Contractor shall prevent access by the public to materials, tools, and equipment during the course of repair and maintenance.
- 7.2. All doors, lids, and gates shall be locked and secured at all times when unattended.
- 7.3. It is the policy of JEA to provide healthy, tobacco-free facilities for all employees and visitors. This policy prohibits the smoking of any tobacco product and the use of oral tobacco products, as well as e-cigarettes and it applies to employees, contractors and visitors. Company employees shall not use tobacco products while on JEA property or in the course of performing work on behalf of JEA.

8. DISPOSAL OF WASTE GENERATED DUE TO CONTRACTOR WORK

- 8.1. The Contractor must dispose of all waste generated as a result of this Contract at an officially permitted location.

- 8.2. Any fees and/or charges associated with this disposal should be included in the Contractor's Bid Price. JEA shall not pay additional charges/fees for waste disposal.
- 8.3. The Contractor shall conform to environmental regulations of public agencies, including local jurisdiction.
- 8.4. The Contractor shall be accountable for timely clean-up and remediation associated with any containment spills, accidental or otherwise, including, but not limited to, chemicals, diesel fuel, gasoline, lubricants, cleaning fluids, or toxic chemicals.

9. PERMITS

The Contractor shall obtain all permits required by local agencies and pay all fees which may be required for the performance of the work and removal/disposal of hazardous materials. The Contractor shall provide copies of all local, state and Federal permits required for the work described in this contract to the JEA Contract Administrator.

10. SPECIAL WEATHER EVENT

In anticipation of a weather event where damage to JEA facilities could occur, the Contractor shall take steps to ensure that JEA shall be a priority for securing all equipment to minimize damage to equipment or existing facilities.

11. TECHNICAL SPECIFICATIONS AND JEA STANDARDS.

Diesel Engines shall comply with JEA Water and Wastewater Standards as listed on JEA.com