

SBD - CM Review Form

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| To: | Project Review & Analysis - Construction | | |
| From: | SBD Engineer - Eric Perez | | |
| Department: | Miami Dade Water & Sewer Department | Contact: | Paul Adams |
| Date: | 2/7/2023 | Resubmittal: | |

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|--------------------------|--|
| PROJECT NUMBER: | W-951 |
| PROJECT TITLE: | Alexander Orr Water Treatment Plant West High Service Pump Room Electrical Upgrade |
| PROJECT LOCATION: | 6825 SW 87th Ave, Miami, FL 33173 |

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|-----------------------------------|---|
| SCOPE OF WORK/DESCRIPTION: | This is a project to upgrade the electrical system, motors, and pumps of the high service pumps West at the Alexander Orr Water Treatment Plant. This is a project to upgrade the electrical system, motors, and pumps of the high service pumps West at the Alexander Orr Water Treatment Plant. |
| LICENSES: | 1. One of the following licenses is required: General Engineering, State Underground, Pipeline Contractor and/or other categories as applicable by Chapter 489 of the Florida Statutes or County Code Chapter 10. |

SPECIAL REQUIREMENTS:A. The Bidder's proposed project manager shall have successfully completed a minimum of two (2) projects demonstrating project management experience with large wastewater treatment upgrade projects having a total construction value (for each project) of greater than \$5 million. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.

B. The Bidder or the Bidder's Electrical Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience procuring and installing main electrical equipment, medium and low voltage electrical power systems, including transformers and switchgear. The BIDDER shall be experienced in performing WORK while maintaining operations of a wastewater facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.

In the event a firm is established by executives, supervisors, and other senior field staff (key employees) that would have met these minimum experience requirements with a prior firm, OWNER reserves the right to qualify the firm based on OWNER's sole determination and evaluation of the knowledge and prior experience of these key employees employed by the new firm. The experience of key senior personnel with other firms may be counted towards the experience requirement, if acceptable to the ENGINEER. Should such evidence not be satisfactory to the ENGINEER, whose decision shall be final, the bid will be considered non-responsive, and the second lowest bidder will be considered for award. The qualifying proof shall be submitted in a separate sealed envelope with the bid

| TRADES/SUBTRADES | AMOUNT | COMMENTS |
|--|----------------|--|
| General Contractor/ General Engineering Contractor | | |
| For performing preparatory work including setting up temporary facilities, preparing shop drawing submittals, and the mobilization to the Project site | \$300,000.00 | |
| For the demolition of the existing pump motors, transformers, and associated materials, complete, | \$98,130.00 | *Possible opportunities for Small Businesses |
| For furnishing and installing the prefabricated electrical building | \$3,659,220.00 | |
| For all the structural work associated with construction, and all other necessary structural components | \$64,000.00 | *Possible opportunities for Small Businesses |
| For all remaining work after Substantial Completion, including final cleanup and addressing punch list | \$75,000.00 | |
| Civil | | |
| For all general site civil work | \$60,000.00 | *Possible opportunities for Small Businesses |

| TRADES/SUBTRADES | AMOUNT | | COMMENTS |
|--|-----------------|---------|--|
| Electrical | | | |
| For furnishing and installing remaining electrical equipment | \$4,293,410.00 | | *Possible opportunities for Small Businesses |
| For furnishing and installing all instrumentation and control equipment | \$687,984.00 | | *Possible opportunities for Small Businesses |
| Mechanical | | | |
| For furnishing and installing two (2) RVSS Pump Motors, two (2) VFD/RVSS Pump Motors, and related transformers | \$1,284,733.00 | | *Possible opportunities for Small Businesses |
| For furnishing and installing new vacuum priming pump system and associated process equipment | \$96,000.00 | | *Possible opportunities for Small Businesses |
| For furnishing and installing all heat ventilation air conditioning (HVAC) equipment, | \$90,000.00 | | *Possible opportunities for Small Businesses |
| For furnishing and installing four (4) 2000HP medium voltage induction motors | \$931,169.00 | | |
| testing service | | | |
| For Pre-commissioning, Commissioning, and Acceptance Testing services | \$150,000.00 | | |
| BASE TOTAL | \$11,789,646.00 | 88.50% | |
| Contingency Allowance (10% of Base Estimate) | \$1,178,964.60 | 8.85% | |
| Dedicated Allowance | | | |
| For all costs of required permits, fees, impact fees, inspections, if ordered by the ENGINEER | \$353,689.38 | | |
| TOTAL AMOUNT | \$13,322,299.98 | 100.00% | |

Small Business Development Signature: Eric Perez Date: 2/8/2023

*Trades/Sub-Trades identified for possible subcontracting opportunities by SBD CM
WASD is recommending 10.42%

Initial: EP

Date: 2/8/2023