

## SBD - CM Review Form

<b>To:</b>	Project Review & Analysis - Construction		
<b>From:</b>	SBD Engineer - Eric Perez		
<b>Department:</b>	Miami Dade Water & Sewer Department	<b>Contact:</b>	Issac Smith
<b>Date:</b>	9/7/2021	<b>Resubmittal:</b>	

<b>PROJECT NUMBER:</b>	S-930A
<b>PROJECT TITLE:</b>	ST-2D-A ELECTRICAL DISTRIBUTION BUILDING 3 SOUTH DISTRICT WASTEWATER TREATMENT PLANT
<b>PROJECT LOCATION:</b>	8950 SW 232nd Street, Miami, FL 33032

**SCOPE OF WORK/DESCRIPTION:** In general, the project consists of furnishing all materials, labor, and equipment necessary for the construction of a new Electrical Distribution Building 3 (EDB 3) at the South District Wastewater Treatment Plant (SDWWTP) owned by the Miami Dade Water and Sewer Department (WASD) and located at 8950 SW 232nd Street, Miami, FL 33032. Electrical Distribution Building 1 (EDB 1) will be modified as part of this contract to be used as future electrical storage by WASD following the electrical power redistribution of process loads to be done with this work. It is suspected asbestos may be encountered and abatement may be required as part of this Work. Based on the Asbestos and Lead Survey Sub-Stations 1&2 (ATC, December 2020), no asbestos has been detected in the existing buildings onsite. However, all existing electrical equipment must be tested for final determination regarding asbestos. Reference the Appendices of this Specification for a copy of the December 2020 Reports. It is Miami-Dade Water and Sewer Department's intent to obtain a completely functional and satisfactory installation under this project, and any items of labor, equipment or materials which may be reasonably assumed as necessary to accomplish this and shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. The Contractor shall provide all sheeting, shoring, bracing and all other labor, material or equipment required to preclude damage to, or loss of functionality of, any existing facility or system.

**LICENSES:** The types of licenses required are: General Engineering, General Building Contractor and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

**SPECIAL REQUIREMENTS:** In addition to license requirements above, bidders shall also meet the minimum experience listed below:

1. With the bid, the successful Bidder shall submit proof that the firm has at least the minimum successful contract experience as required below for this Contract. Such proof shall consist of a list of projects, completed prior to the bid date, with the names and telephone numbers of the Department's or representatives that the Department can contact to confirm the listed experience.
2. In addition to submittal requirements stated elsewhere, to qualify for WORK on this CONTRACT, the Bidder shall have successfully completed a minimum of one (1) project demonstrating experience with electrical distribution building construction projects having a total construction value of greater than \$75 million and three (3) projects demonstrating experience with large wastewater treatment upgrade projects having a total construction (for each project) of greater than \$25 million. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.
3. 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 \$50 million. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.
4. The Bidder must have successfully completed the construction and/or rehabilitation of a minimum of two (2) electrical distribution rooms with at least 6 diesel engine type generators along with fuel storage tanks and accessories and construction of fuel pipe system. The Bidder shall be experienced in performing the 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.
5. 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.

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 the 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.

6. The Bidder or Bidder's Electrical Subcontractor Lead Electrician shall have successfully completed a minimum of one (1) project demonstrating experience with medium or high voltage power supply 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.

7. The Bidder or Bidder's Instrumentation and Controls Subcontractor shall have successfully completed a minimum of one (1) project demonstrating experience with instrumentation and controls including connections into an existing SCADA. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-consultant for their discipline work. 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.

8. The Bidder or Bidder's HVAC Subcontractor shall have successfully completed a minimum of one (1) project demonstrating experience with HVAC equipment including cooling towers. The Bidder shall be experienced in performing WORK while maintaining operations of wastewater facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.

9. 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.

Due to the specialized work and experince requirements the project is not recommended for Joint Venture

TRADES/SUBTRADES	AMOUNT	COMMENTS
General Building Contractor/ General Engineering		
General Conditions	\$10,278,869.00	*Possible opportunities for Small Businesses
Mobilization & Demobilization	\$12,038,606.00	*Possible opportunities for Small Businesses
<b>General Site Conditions:</b>		
Site Preparation	\$323,048.00	*Possible opportunities for Small Businesses
Earthwork	\$2,477,275.00	*Possible opportunities for Small Businesses
Site Improvements and Amenities	\$1,612,246.00	*Possible opportunities for Small Businesses
Cogeneration Building Modifications (various)	\$2,542,588.00	*Possible opportunities for Small Businesses
<b>New Electrical Distribution Bldg 3 (Main Swgr Bldg 3):</b>		
Division 2 - Specialties & Auger Cast Piling	\$1,879,828.00	*Possible opportunities for Small Businesses
Division 3 - Concrete	\$8,806,285.00	*Possible opportunities for Small Businesses
Division 4 - Masonry	\$1,490,809.00	*Possible opportunities for Small Businesses
Division 5 - Metals	\$729,021.00	*Possible opportunities for Small Businesses
Division 6 - Woods, Plastics	\$10,452.00	*Possible opportunities for Small Businesses
Division 7 - Thermal and Moisture Protection	\$676,144.00	*Possible opportunities for Small Businesses
Division 8- Doors and Windows	\$503,318.00	*Possible opportunities for Small Businesses
Division 9- Finishes	\$1,443,842.00	*Possible opportunities for Small Businesses
Division 10- Specialties	\$616,108.00	*Possible opportunities for Small Businesses
Division 11- Equipment (audio visual equip, etc.)	\$490,828.00	*Possible opportunities for Small Businesses

TRADES/SUBTRADES	AMOUNT	COMMENTS
Division 12- Furnishings	\$5,635.00	
Division 13- Special Construction (storage tanks, fire suppression, etc.)	\$2,498,376.00	*Possible opportunities for Small Businesses
Division 14- Conveying Equipment	\$395,839.00	*Possible opportunities for Small Businesses
<b>Fuel Storage Tank Area 3:</b>		
Division 2 - Specialties & Auger Cast Piling	\$1,072,544.00	*Possible opportunities for Small Businesses
Division 3 - Concrete	\$336,574.00	*Possible opportunities for Small Businesses
Division 5 - Metals	\$663,293.00	*Possible opportunities for Small Businesses
Division 11- Equipment (audio visual equip, etc.)	\$193,564.00	*Possible opportunities for Small Businesses
Division 13- Special Construction (storage tanks, fire suppression, etc.)	\$1,829,540.00	*Possible opportunities for Small Businesses
<b>Fuel Transfer Pump Room 3:</b>		
Division 11- Equipment (audio visual equip, etc.)	\$148,663.00	*Possible opportunities for Small Businesses
General Mechanical/AC		
<b>New Electrical Distribution Bldg 3 (Main Swgr Bldg 3):</b>		
Division 15-Mechanical Specialties	\$2,858,646.00	*Possible opportunities for Small Businesses
Division 15- HVAC Equipment	\$1,427,179.00	*Possible opportunities for Small Businesses
<b>Fuel Storage Tank Area 3:</b>		
Division 15: Mechanical	\$340,241.00	*Possible opportunities for Small Businesses
<b>Fuel Transfer Pump Room 3:</b>		
Division 15: Mechanical	\$965,827.00	*Possible opportunities for Small Businesses

TRADES/SUBTRADES	AMOUNT	COMMENTS
Electrical Substation 1 & 2 (Mods & New)	\$5,034,740.00	*Possible opportunities for Small Businesses
Pipes/Drainage/Civil		
Yard Piping	\$1,798,026.00	*Possible opportunities for Small Businesses
Drainage and Containment	\$1,029,461.00	*Possible opportunities for Small Businesses
General Electrical		
Electrical Duct Banks	\$5,867,933.00	*Possible opportunities for Small Businesses
Electrical Distribution Building 1 (various upgrades)	\$2,199,532.00	*Possible opportunities for Small Businesses
<b>New Electrical Distribution Bldg 3 (Main Swgr Bldg 3):</b>		
Division 16 - Wiring, Grounding & Lightning Prot	\$3,161,209.00	*Possible opportunities for Small Businesses
Division 16 - Elect. General Conditions (basic materials, etc.)	\$1,979,663.00	*Possible opportunities for Small Businesses
Division 16 - Electrical Power	\$12,200,408.00	*Possible opportunities for Small Businesses
Division 16 - Lighting	\$455,753.00	*Possible opportunities for Small Businesses
Division 17 - Instrumentation & Control	\$2,197,232.00	*Possible opportunities for Small Businesses
<b>Fuel Storage Tank Area 3:</b>		
Division 16 - Electrical	\$151,074.00	*Possible opportunities for Small Businesses
Division 17 - Instrumentation & Control	\$188,655.00	*Possible opportunities for Small Businesses
<b>Fuel Transfer Pump Room 3:</b>		
Division 16 - Electrical	\$66,526.00	*Possible opportunities for Small Businesses
Division 17 - Instrumentation & Control	\$148,628.00	*Possible opportunities for Small Businesses

TRADES/SUBTRADES	AMOUNT		COMMENTS
Site Prep, Bldg Grounding & Lightning Prot.	\$2,136,055.00		*Possible opportunities for Small Businesses
Electrical Wiring Methods	\$9,416,282.00		*Possible opportunities for Small Businesses
<b>BASE TOTAL</b>	\$106,686,365.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$10,668,636.50	9.09%	
<b>TOTAL AMOUNT</b>	\$117,355,001.50	100.00%	

Small Business Development Signature: *Eric Perez* Date: 9/8/2021

**\*Trades/Sub-Trades identified for possible subcontracting opportunities by SBD CM**

**WASD** is recommending **10.10%**