

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

To: Gary T. Hartfield, Division Director
Internal Services Department
Small Business Development Division

From: Isaac Smith, Chief
Construction Contracts Division

Department: Miami-Dade Water and Sewer Department

Contract Title: CD 1.04 South District Wastewater Treatment Plant Chlorine Building Improvements

Contract No.: RPQ# P0240

Estimate Amount: \$1,975,270 [\$1,795,700 Construction + \$179,570 Contingency]

Funding Source: EW 660, Revenue Bonds Sold

Small Business Enterprise – Construction – 14.0% Analysis for Recommendation (Attached)
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Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

This project is one in a series of projects that are being processed under Section 2-8.2.12 of the Code, entitled Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Accelerate Ordinance.

In general, the project consists of furnishing all materials unless otherwise specified to be furnished by the Department, all labor, and equipment necessary for electrical improvements at the South District Wastewater Treatment Plant's Electrical Substation Nos. 9, 10, 11 and 12, located in unincorporated Miami Dade County at 8950 SW 232nd St, Miami, FL 33190.

The Work consist of Chlorine Building Improvements, including but not limited to, the following:

- a. Removing and Replacing existing built up roofing for the entire roof structure.
- b. Removing and Replacing all existing Exhaust Fans and Gravity Ventilators on the roof.
- c. Installing new underground feeders for each new MCC-A and MCC-B through existing ducts and existing electrical manholes
- d. Removing existing Flushing Water Pump Control Panel.
- e. Removing existing Strainer Control Panel and Strainer Backwash Control Panel.
- f. Removing existing Safety Switches for previously removed Seal Water Pumps.
- g. Relocating existing Flowmeter Indicating Transmitter from the Basement floor to the Ground Floor Level.
- h. Removing and Replacing existing MCC-A and MCC-B.
- i. Removing and Replacing existing 480/277V Panelboard, 30 KVA DTT, and 208/120V Panelboard.
- j. Providing VFDs for each Flushing Water Pumps
- k. Providing Pre-purchase Package for the modifications and installation of a new OIT to the existing RTU12.

It is the intent of the Department to obtain a complete functional, and satisfactory installation under this

Contract, and any items of labor, equipment or materials which may reasonably be assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the Plans or stated herein

MINIMUM CONTRACTOR EXPERIENCE:

This is a complicated project within the chlorine building, which will require specialized training. Therefore the firm shall have a minimum of 10 years of experience.

CONSIDERATIONS FOR ANALYSIS:

1. This project involves complicated improvements to a chlorine building at an operating wastewater treatment plant.
2. The chlorine building is a facility with known chemical hazards, which require specialized training.
3. The project involves the installation of six (6) large variable frequency drives and enclosures, including instrumentation controls and safety.
4. Recommended opportunity for SBE-Construction participation is in the area of built-up roofing and electrical demolition.

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

COMMUNITY WORKFORCE PROGRAM

CWP PARTICIPATION: A 10% CWP Goal is applicable to this Project.

**ANALYSIS FOR
SBE
PARTICIPATION
- RPQ# P0240**

Item	Description	Cost	Availability	SBE-Cons(%)	SBE-Cons(\$)
1	Mobilization & demobilization	\$			
2	All other costs in furnishing materials not included in other items.	\$			
3	All other costs in installation items furnished under Item No. 2	\$			
4	Removal of existing electrical feeders and motor control centers	\$			
5	Built-up Roofing Replacement	\$			
6	Construction of a new concrete structure inside Chlorine Building	\$			
7	Furnishing six (6) Variable Frequency Drives (VFD), complete, with enclosures	\$			
8	For relocation of existing Flowmeter Indicator Transmitter, the aggregate sum of	\$			
9	Demolition of exhaust fans, gravity ventilator, control & annunciator panels	\$			
10	Furnishing and installing new feeder from Substation #11 and #12 to MCC-A	\$			
11	Electrical work, including automatic transfer switch, safety switch, etc.	\$			
	Subtotal	\$			
	Contingency (10%)	\$		SBE-Cons	SBE Amount
	SBE TOTAL	\$ 1,975,270.00		14.0%	276,740.00

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Small Business Enterprise – Goods & Services – No Availability

Analysis for Recommendation (Attached)

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CONSIDERATIONS FOR ANALYSIS:

1. This project involves improvements to an existing chlorine facility at an operating wastewater treatment plant.
2. The project also involves numerous interconnections to existing mechanical and chemical systems.
3. The Department has evaluated the project for possible opportunities for participation in the area of SBE – Goods and Services. Based on the scope and nature of the work, we have concluded that are very limited opportunities for participation in this project.
4. **Therefore, for SBE- Goods and Services the Department recommends a “No Measure” goal.**