

### 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> 7/2/2019	<b>Resubmittal:</b>

<b>PROJECT NUMBER:</b>	P0226
<b>PROJECT TITLE:</b>	CD 1.11 - EMERGENCY GENERATORS 1 THROUGH 4 REHAB. SOUTH DISTRICT WASTE WATER TREATMENT PLANT
<b>PROJECT LOCATION:</b>	South District Waste Water Treatment Plant located at 23300 SW 88 Ave., Section 21, Township 56, Range 40; Miami Dade County Florida.

**SCOPE OF WORK/DESCRIPTION:** The scope of work includes, but is not limited to, furnishing all materials, labor, and equipment necessary to rehabilitate four (4) existing generator enclosures and connect existing Generators 1, 2, 3 and 4 to remove radiator systems; modification work; demolition work; removal of radiators and modify enclosure frame, roof, floor, walls, floor beans; removal of stack metal covers; removal of mufflers from Generator 3 and 4; removal of existing day tank and replacement with proposed double walled fuel oil day tank; furnish and install new louvers and exhaust fans; installing Department furnished radiator assembly; mechanical work; electrical work, including electrical systems, motor control centers, cables, raceways, conduits, disconnect switches and grounding systems; all piping (including fuel, oil and water), valves and fittings; painting; roofing; site restoration; testing; cleanup and all appurtenant and miscellaneous items and work for a complete, satisfactory, and functional installation.

**LICENSES:** The types of licenses required are: State General Building Contractor (Prime), General Engineering Contractor (Prime), General Mechanical(sub), Demolition(Sub), Electrical (Sub).and/or other categories as applicable by Chapter 489 of the Florida Statutes or Chapter 10 of Miami-Dade County Code.

**SPECIAL REQUIREMENTS:**Bidders shall submit proof that his/her firm has at least the minimum successful contract experience as requested below:

A. With his bid, the successful Bidder shall submit proof that his/her firm has at least the minimum successful contract experience as required below for this Contract being bid. Such proof shall consist of a list of projects, completed prior to the bid date, with the names and telephone numbers of the owners or representatives the Department can call and confirm the listed experience.

B. In addition to submittal requirements stated elsewhere, to qualify for work on this Contract the Bidder or Bidder's Electrical Subcontractor shall be experienced with Generator installations, including medium voltage electrical power systems, and standby diesel generators. The Bidder Subcontractor shall also be experienced in construction of metal structures and steel framing welding. The welding Contractor shall be certified by the AWS with a minimum of five years of experience.

C. The Bidder or Bidder's Electrical Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience with low and medium voltage power supply and standby diesel generators within the last ten (10) years meeting the following requirements:

- 1. Low Voltage: Minimum generator size 150 kW
- 2. Medium Voltage: Minimum generator size 1,000 kW

Initial: EP

Date: 7/31/19

TRADES/SUBTRADES	AMOUNT	COMMENTS
<b>General Building Contractor/ General Engineering</b>		
Site Mobilization and Demobilization	\$30,000.00	
Site Restoration	\$20,000.00	*Possible opportunities for Small Businesses
Excavation, Backfill and Compaction-Radiator Base	\$105,000.00	*Possible opportunities for Small Businesses
Construction of Radiator Base Pad	\$35,000.00	
New Radiator Installation	\$20,000.00	
New Roof Sections	\$84,000.00	*Possible opportunities for Small Businesses
New Wall, Floor and Exhaust End Sections	\$202,000.00	*Possible opportunities for Small Businesses
New Exhaust Fan Hood & Guard	\$44,000.00	
Intake, Stack & Muffler	\$138,000.00	
Roof Replacement	\$58,000.00	*Possible opportunities for Small Businesses
Structural Work	\$112,000.00	
Door Replacement (including overhead doors)	\$72,000.00	
Painting - Generator Enclosure	\$60,000.00	*Possible opportunities for Small Businesses
<b>General Mechanical/Plumbing/HVAC Contractor</b>		
Demolition & Disposal	\$145,000.00	*Possible opportunities for Small Businesses
Black steel piping & fittings	\$221,400.00	
Gate Valves	\$74,600.00	
Supply Fans	\$60,000.00	
Fuel Day Tank	\$74,000.00	
Expansion Tank, Louvers & Miscellaneous Items	\$175,000.00	

Initial: TEP

Date: 7/13/19

TRADES/SUBTRADES	AMOUNT		COMMENTS
General Electrical			
Demolition & Disposal	\$5,000.00		*Possible opportunities for Small Businesses
Neutral Ground Resistors	\$22,000.00		
Feeder, 400A	\$25,380.00		
Supply Wiring for 480V Motors	\$28,000.00		*Possible opportunities for Small Businesses
Electrical Equipment	\$142,368.00		
Grounding of Radiator and Resistor	\$5,552.00		*Possible opportunities for Small Businesses
Control & Signal Wiring	\$1,700.00		
<b>BASE TOTAL</b>	\$1,960,000.00	90.91%	
Contingency Allowance (10% of Base Estimate)	\$196,000.00	9.09%	
<b>TOTAL AMOUNT</b>	\$2,156,000.00	100.00%	

Small Business Development Signature: \_\_\_\_\_



Date: \_\_\_\_\_

7/3/19

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

WASD is recommending **17.21%**

Initial: EP

Date: 7/3/19