

**DEPARTMENTAL INPUT
CONTRACT MEASURE ANALYSIS AND RECOMMENDATION**

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

From: Isaac Smith, Manager
Construction Contracts Section

Department: Miami-Dade Water and Sewer Department

Contract Title: Alexander Orr Jr. WTP Radiator Installation for Engine No.6

Contract No.: CICC 7360 Plan RPQ No. P0246

Estimate Amount: \$967,582 [\$879,620 Construction + \$87,962 Contingency]

Funding Source: EW 267 & EW 270

Small Business Enterprise – Construction – 12.89% Analysis for Recommendation (Attached)



Department Head or Authorized Agent

DESCRIPTION OF PROJECT:

In general, the project consists of furnishing all labor materials and equipment necessary for the installation of a Department furnished radiator for Engine No. 6 that provides emergency backup power for facilities at the Alexander Orr Jr. Water Treatment Plant, located at 6800 SW 87th Ave., Miami, FL 33173.

The scope of work consists of the installation of an owner furnished radiator for Engine No.6 and all equipment necessary to install the radiator which includes one new radiator, steel structural elements above ground anchored on existing walls, electrical elements, valves and piping, and a new radiator motor starter control panel and gear reducer pump motor starter. The work include the following:

1. Structural:
 - a) Partial demolition of existing concrete parapet and steel railing.
 - b) Install new elevated radiator support structure with railings and stairs
 - c) Install new pipe supports for engine cooling water
2. Electrical/Instrumentation:
 - a) Install new radiator interconnection wiring and conduit
 - b) Install new radiator motor running contacts, flow switches and level switches
 - c) Install new radiator fan motor starter control panel
 - d) Install new reducer gear cooling water pump motor starter
3. Mechanical:
 - a) Install new remote radiator on outdoor platform.
 - b) Install Jacket Water/After Cooler 1, After Cooler 2/ Oil Cooler and Reducer Gear Supply and Return Piping with necessary valves, supports and fittings.
 - c) Install new piping for radiator and emergency cooling water systems
 - d) Commissioning, start up and testing of Pump 6 and Gas Engine 6 (2500 hp) which were installed under a separate Contract.

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.

COMMUNITY WORKFORCE PROGRAM

CWP PARTICIPATION: CWP is not applicable to this Project.

QUALIFICATIONS OF BIDDERS:

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 project 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 project the Bidder shall be experienced with least three (3) projects similar in detail to the Project's Scope of Work described in these Solicitation Documents and in which the Bidder's identified personnel is currently engaged or has completed within the past ten (10) years..
- C. The experience of key senior personnel with other firms may be counted toward the experience requirement, if acceptable to the ENGINEER. Should such evidence not be satisfactory to the ENGINEER, whose decision shall be final. 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, the Department reserves the right to qualify the firm based on WASD's sole determination and evaluation of the knowledge and prior experience of these key employees employed by the new firm.

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Small Business Enterprise – Goods & Services – No Measure Analysis for Recommendation (Attached)



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CONSIDERATIONS FOR ANALYSIS:

1. The project predominantly involves installation of the complete cooling system for an existing backup power generator systems at the site of an operating water treatment plant.
 - a. The Contractor shall exercise extreme care and precaution as not to damage existing facilities.
 - b. The work shall be done at an existing water treatment facility which shall remain in service during prosecution of the work.
2. The project includes very large, expensive and specialized trades required for the integration of the cooling system, backup generator, alarms, controls, RTU and instrumentation.
3. Portions of the project requires work at elevated levels.
4. The Contractor shall provide the services of several equipment manufacturers, especially during testing and commissioning.

5. 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 there are several subcontracting opportunities but very limited opportunity for SBE Goods & Services providers and recommends a “No Measure”:

Analysis for Small Business Enterprise – Goods and Services Recommendation				
Item	Goods & Services	Prime Contractor	Sub-Contractor	SBE Availability
1.	GOODS: Electrical Switchgear Motor Control Centers Instrumentation & Controls Conduits and Cables Metal Platforms & Railing	 X X	 X X X X	 X X X
2.	SERVICES Electrical Instrumentation Structural Systems Integration Generator - Testing Commissioning and Decommissioning Power Study	 X X X	 X X X X X X X	 X X