


Memorandum



Date: January 29, 2020

To: Gary Hartfield, Assistant Director
Small Business Development

From: 
Kevin T. Lynskey, Director
Miami-Dade Water and Sewer Department

Subject: Review Item: Design and Engineering Services for Tertiary Treatment at the Central District Wastewater Treatment Plant- Project No. E19-WASD-02

The Miami-Dade Water and Department (WASD) is requesting that the subject project be reviewed for Small Business Enterprise (SBE) measures for Architectural and Engineering (A/E) and Goods and Services (G/S), in order to proceed with the advertisement and subsequent consultant selection for this project.

WASD is seeking one (1) engineering firm to provide design and engineering services for the Miami-Dade Water and Sewer Department's Central District Wastewater Treatment Plant. The detailed scope of services is attached as "Notice to Professional Consultants." The term for the Non-Exclusive Professional Services Agreement (PSA) is five (5) years with a one (1) five (5) years option-to-renew. The Maximum compensation for this PSA is \$17,000,000, with a ten percent (10%) contingency allowance in accordance with Ordinance 00-65. No minimum work or compensation will be assured to the retained Consultant.

The firm providing engineering services must be certified in the following technical categories with the respective percentages of the disciplines as indicated below:

Technical Categories (TC)	Description	TC Percent (%)	TC SBE %
6.03 Prime	Water and Sanitary Sewer Systems - Water and Sanitary Sewage Treatment Plants	46	0
17.00 Prime	Engineering Construction Management	2	0
9.01 Other	Soils, Foundations and Material Testing - Drilling Subsurface Investigations and Seismographic Services	1	1
9.02 Other	Soils, Foundations and Material Testing- Geotechnical and Materials Engineering Services	1	1
10.05 Other	Environmental Engineering - Contamination Assessment and Monitoring	1	1
11.00 Other	General Structural Engineering	15	3
12.00 Other	General Mechanical Engineering	15	3
13.00 Other	General Electrical Engineering	15	3
15.01 Other	Surveying and Mapping - Land Surveying	.05	.05
15.03 Other	Surveying and Mapping - Underground Utility	.05	.05
16.00 Other	General Civil Engineering	3	3
	TOTAL	100%	16%

WASD is recommending a one percent (1%) SBE for goods and services under Commodity Code 91842. Attached are WASD's Departmental Input Worksheet and the Notice to Professional Consultants for your review and approval. Should you have any questions, please contact Patty Palomo, Chief, Intergovernmental Affairs Section at patty.palomo@miamidade.gov or (786) 552-8040.

Attachments

**MIAMI-DADE COUNTY
NOTICE TO PROFESSIONAL CONSULTANTS
MIAMI-DADE WATER AND SEWER DEPARTMENT
DESIGN AND ENGINEERING SERVICES FOR TERTIARY TREATMENT AT THE CENTRAL
DISTRICT WASTEWATER TREATMENT PLANT
PROJECT NO. E19-WASD-02**

The County Mayor, Miami-Dade County (County), pursuant to the Miami-Dade Water and Sewer Department (WASD) Consent Decree and Capital Improvement Programs Acceleration Ordinance Section 2-8.2.12, Sections 2-8.1 and 2-10.4 of the Miami-Dade County Code, Implementing Order 3-34, Administrative Order 3-39, and Florida Statute 287.055, announces that WASD will require one (1) Consultant to provide professional design and engineering services for tertiary treatment at the Central District Wastewater Treatment Plant related to capital improvement needs required to meet Ocean Outfall Legislation.

PARTICIPATION PRECLUSIONS

WASD has previously retained Jacobs Engineering Group, Inc. (f/k/a CH2M Hill, Inc.), as the Owner's Representative under Project No. E13-WASD-11. The Owner's Representative may oversee the administration of the selected design consultant in conjunction with WASD's Senior Program Manager. As such, Jacobs Engineering Group, Inc. and its subconsultant Hazen and Sawyer, PC will be excluded from participating in this solicitation.

SCOPE OF SERVICES

The selected Consultant will perform design development, engineering, prepare construction documents, permitting and bid services, and engineering services during construction for tertiary treatment facilities at the County's Central District Wastewater Treatment Plant necessary to meet Ocean Outfall Legislation. (OOL). The Consultant selected will be required to work in coordination with WASD staff and Owner's Representative to deliver the necessary design documents to ensure the timely completion of the project as described on the OOL Compliance Plan as prepared by the Owner's Representative Team.

Design services to be provided by the Consultant will include, but are not limited to, the following:

1. Conducting design engineering of tertiary treatment facilities including design of High-Level Disinfection facilities and other improvements.
2. Conducting analysis and studies as needed to support design phase services, including hydraulic and process modeling.
3. Developing technical specification and construction documents.
4. Assisting WASD in the evaluation and preparation of procurement methods for equipment.
5. Assisting WASD in permitting and regulatory interaction with agencies, as required, to ensure regulatory compliance.
6. Assisting WASD in the bid process, including responding to Request for Information (RFI's), reviewing bids, preparing conformed documents.
7. Providing engineering services during construction including, but not limited to, reviewing and responding to all contractor submittals, reviewing and responding to all contractor claims, reviewing and responding to RFI's, starting up and testing services, reviewing final certification documents provided by the contractor and engineering inspection services.

8. Coordinating project progress and submittals with WASD and the Owner's Representative/Project Manager.
9. Participating in project coordination and regular meetings with the Owner's Representative and WASD.

PREFERRED EXPERIENCE AND QUALIFICATIONS

The Prime is highly preferred to have successfully designed in the last ten (10) years at least one (1) new or upgraded Wastewater Treatment Plant(s) (WWTP) with at least one (1) being a high purity oxygen WWTP with a capacity of fifty (50) million gallons per day (MGD) or greater and one (1) being a WWTP with filtration and disinfection of secondary effluent to meet all applicable Federal, State and Local regulations including Florida Department Environment Protection High Level Disinfection standards. The new plant or upgrades to an existing plant must be either in the construction phase or commissioned. The Prime and/or Subconsultants (Team) submitting a proposal should be experienced in the design, permitting and construction management of a large regional WWTP.

For projects for which a Team member(s) has served as the design consultant, the Team member(s) shall provide the name and contact information for a Utility Executive with the utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e. municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Team member firm, the achievements (e.g., projects delivered on schedule, the dollars saved, innovated designs implemented, new technologies utilized) and a client reference and contact information.

The Team should also have experience with design and commissioning (start up, testing, and operator training) of wastewater treatment plant upgrades. The Team shall provide a list of members of the proposed Design Team, identifying the overall Design Manager(s) and the Team leaders for key design specialties (process-liquids and solids stream treatment, civil, structural, mechanical, electrical, and instrumentation) and the specific role each one of them will perform.

The Subconsultant(s) shall provide experience specific to their proposed responsibilities. The descriptions shall include the client (i.e. municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates) the specific role of the Subconsultant firm, the project's achievements (e.g., projects delivered on schedule, dollars saved, innovative designs, etc.) and client reference and contact information.

The expertise must be met by a qualified individual(s) of the Prime and/or Subconsultant firm(s), as applicable. The experience must be demonstrated by direct or substantial involvement of the individual(s) in a supervisory capacity at the Project Manager level or above. The determination of the individual's qualifications and compliance with the experience and qualifications and preference stipulations shall be at the sole discretion of the County. The Competitive Selection Committee (CSC) may negatively evaluate proposals from firms they determine have failed to meet the above experience and qualification(s). Information regarding the experience and qualification(s) and preference stipulations for the prime and Architectural & Engineering sub-consultants, must be included in ISD Form No. 11 which may be submitted more than once per individual Team member firm as applicable.

WASD intends to retain one (1) qualified firm under a Non-Exclusive Professional Services Agreement (PSA). The proposal received for this project will be reviewed and ranked by the Competitive Selection Committee members. The highest ranked firm will be selected and forwarded to the County Mayor or the Mayor's designee for negotiations and award. Maximum compensation for the PSA is seventeen million dollars (\$17,000,000.00), plus a ten percent (10%) contingency allowance in accordance with Ordinance 00-65. The term of the PSA is five (5) years with one (1) five (5) year option-to-renew. No minimum amount of work or compensation is guaranteed to the retained Consultant. The County reserves the right to re-use the work products of the retained Consultant to provide the same or similar services at its sole discretion.

A/E TECHNICAL CERTIFICATION REQUIREMENTS

Prime

- 6.03 Water and Sanitary Sewer Systems - Water and Sanitary Sewage Treatment Plants
- 17.00 Engineering Construction Management

Prime and/or Sub-Consultants

- 9.01 Soils, Foundations and Material Testing – Drilling, Subsurface Investigations and Seismographic Services
- 9.02 Soils, Foundations and Materials Testing – Geotechnical and Materials Engineering Services
- 10.05 Environmental Engineering – Contamination Assessment and Monitoring
- 11.00 General Structural Engineering
- 12.00 General Mechanical Engineering
- 13.00 General Electrical Engineering
- 15.01 Surveying and Mapping – Land Surveying
- 15.03 Surveying and Mapping – Underground Utility Location
- 16.00 General Civil Engineering

BREAKDOWN LIST

Technical Categories (TC)	Description	TC Percent (%)	TC SBE %
6.03 Prime	Water and Sanitary Sewer Systems - Water and Sanitary Sewage Treatment Plants	46	0
17.00 Prime	Engineering Construction Management	2	0
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9.02 Other	Soils, Foundations and Material Testing- Geotechnical and Materials Engineering Services	1	1
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11.00 Other	General Structural Engineering	15	3
12.00 Other	General Mechanical Engineering	15	3
13.00 Other	General Electrical Engineering	15	3
15.01 Other	Surveying and Mapping – Land Surveying	.05	.05
15.03 Other	Surveying and Mapping – Underground Utility	.05	.05
16.00 Other	General Civil Engineering	3	3
	TOTAL	100%	16%

**DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

Contract/Project Title: Design and Engineering Services for Tertiary Treatment at the Central Wastewater Treatment Plant

Contract/Project No. E19-WASD-02

Description: Design and Engineering Services for Tertiary Treatment at the Central Wastewater Treatment Plant

DEPARTMENT: Miami-Dade Water and Sewer Department (WASD) **CONTACT:** Patty Palomo
PHONE: (786) 552-8040

Estimated Cost: One (1) contract for \$17,000,000 with a 10% contingency allowance in accordance with Ordinance 00-65.

Funding Sources: WASD Revenue Bonds Sold, Future WASD Revenue Bonds, Wastewater Connection Charges and Wastewater Special Construction Fund

ANALYSIS

Commodity/Service No. _____ SIC: _____
Trade/Commodity/Service Opportunities _____

Contract/Project History of Previous Purchases for Previous Three (3) Years
Check Here if this is a New Contract/Purchase with no Previous History

	<u>Existing</u>	<u>2nd Year</u>	<u>1st Year</u>
Contractor _____	_____	_____	_____
Ethnicity/Race _____	_____	_____	_____
Gender _____	_____	_____	_____
Contract Value _____	_____	_____	_____

COMMENTS: _____

RECOMMENDATIONS

<u>SBE GOAL</u>	<u>BID PREFERENCE</u>	<u>NO MEASURE</u>
<u>16 A/E</u> %	_____	_____
<u>1 G/S</u> %	_____	_____
<u>Analysis for Goal Recommendation</u>		
<u>Sub-Trade</u>	<u>Est. Cost</u>	<u>% of Item to Base Bid</u>
_____	\$ _____	_____
_____	\$ _____	_____
_____	\$ _____	_____
Total:	\$ _____	_____

Basis for Recommendation: WASD proposes that the goal can be achieved with SBE firms assisting with 9.01-1%, 9.02-1%, 10.05-1%, 11.00-3%, 12.00-3%, 13.00-3%, 15.01-.05%, 15.03-.05%, and 16.00-3%. Good and Services Commodity Code: 91842 "Engineering Consulting" 1%.

By: Kevin T. Lynskey, Director Date: 1/29/2020 Internal Services Department Date: _____