

SBD - CM Review Form

To:	Project Review & Analysis - Construction		
From:	SBD Engineer - Eric Perez		
Department:	Miami Dade Water & Sewer Department	Contact:	Issac Smith
Date:	7/8/2021	Resubmittal:	

PROJECT NUMBER:	S-915R
PROJECT TITLE:	CD 2.15(3) PLANT 2 CLUSTER 3 DIGESTER UPGRADES
PROJECT LOCATION:	3989 Rickenbacker Causeway, Miami, FL

SCOPE OF WORK/DESCRIPTION:In general, the project consists of furnishing all materials, labor, and equipment necessary for upgrades to the existing Plant 2 Digester Cluster 3 facility at the Central District Wastewater Treatment Plant (CDWWTP), located in Virginia Key, 3989 Rickenbacker Causeway, Section 16, Township 54, Range 42, Miami-Dade County, Florida 33149. The scope of work includes, but is not limited to, the complete rehabilitation and upgrade to the CDWWTP Plant 2 Digester Cluster 3 facility. The project includes replacement of all existing equipment, valves, piping; and appurtenances; electrical panels, conduits, cables, and lighting; demolition; instrumentation and controls; building mechanical; and architectural doors, windows, and louvers within the digester Control Building and inside Digester Tank Nos. 9, 10, 11, and 12; new digester covers for Digester Tank Nos. 9, 10, 11, and 12; new valve vault for Digester Cluster 3; extension of the existing Electrical Room at the Control Building; structural repairs to and recoating of Control Building and Digester Tank Nos. 9, 10, 11, and 12. The work also includes providing a Florida Registered Land Surveyor.

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

- a. The Contractor shall be experienced in the construction of new or rehabilitation of existing wastewater treatment plant biosolids systems, which include return/waste activated sludge pump stations, sludge thickening, digester, and dewatering systems.
- b. The Contractor must have successfully completed the construction of two (2) projects which included new wastewater digester tanks or rehabilitation of existing wastewater digester tanks.
- c. Experience is required with the installation of at least one (1) new digester tank floating cover. This requirement can be met by the experience of the Bidder or Bidder's Subcontractor.
- d. The Contractor or Contractor's Electrical Subcontractor shall have successfully completed a minimum of two (2) projects demonstrating experience with installation of electrical equipment rated for 480V power supply.

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		
Site Mobilization and Demobilization	\$904,562.56	
Site Civil Work: cleaning and grubbing, dewatering, erosion control, compaction, fencing, grading, restoration of roadways, sidewalks and sodding	\$180,390.56	*Possible opportunities for Small Businesses
New Cluster 3 Valve Vault	\$116,998.55	
Structural/Architectural work: roofing, windows, doors, metal stairs; louvers; and all necessary structural components	\$462,277.71	*Possible opportunities for Small Businesses
Furnish Tube-in Tube type Heat Exchangers	\$801,014.55	
Furnish Sludge Recirculation Chopper Pumps & Motors	\$249,341.50	
Furnish Linear motion mixer systems and appurtenances	\$2,208,764.76	
Furnish Sludge Transfer Pumps	\$172,247.28	
Furnish Gas Booster Blowers	\$448,578.68	
Demolition of Process Mechanical in Control Bldg. & Digester Tanks	\$700,241.24	*Possible opportunities for Small Businesses
Furnish Radial beam typ floating digester covers, flame arrestors, and appurtenances	\$5,952,561.81	
Install Radial beam Type floating digester covers, flame arrestors and appurtenances	\$1,623,165.05	
Concrete restoration	\$248,937.56	*Possible opportunities for Small Businesses
For start-up, testing and commissioning	\$90,320.59	
Add'l cost for 316 stainless steel floating digester covers	\$8,755,491.49	
For furnishing a Fla. Registered Land Surveyor	\$50,000.00	
Furnishing process mechanical equipment - Cluster 1 Tank 3	\$812,571.23	
Install Linear motion mixers systems and appurtenances	\$78,745.93	

TRADES/SUBTRADES	AMOUNT		COMMENTS
Demolition			
Demolition & Disposal of Yard Piping	\$8,813.70		*Possible opportunities for Small Businesses
Demolition & Disposal of Digesters Covers	\$247,314.40		*Possible opportunities for Small Businesses
Equipment salvaging and Providing to Owner	\$15,452.26		*Possible opportunities for Small Businesses
Demolition of existing Control Bldg. upper floor level slab	\$146,570.70		
Final Clean Up	\$36,947.74		*Possible opportunities for Small Businesses
General Mechanical/Plumbing/HVAC Contractor			
Building Mechanical Work, including plumbing and HVAC	\$358,546.77		*Possible opportunities for Small Businesses
Process Mechanical in Digester Cluster Building	\$1,988,714.14		
Process Mechanical Equipment Demolition	\$69,937.52		*Possible opportunities for Small Businesses
Install Process Mechanical Equipment	\$114,232.31		
General Electrical			
Electrical MCC, VFDs, enclosures, lighting protection, etc	\$2,334,505.10		*Possible opportunities for Small Businesses
Salvage electrical room equipment	\$47,889.00		*Possible opportunities for Small Businesses
Demolition of Electrical Equipment	\$59,059.71		*Possible opportunities for Small Businesses
Instrumentation, Control work, system integration, programming & SCADA for Digester Cluster 3	\$1,113,086.11		
Painting/Coating			
For all Painting, coating and finishing	\$1,428,321.50		*Possible opportunities for Small Businesses
BASE TOTAL	\$31,825,602.01	90.91%	
Contingency Allowance (10% of Base Estimate)	\$3,182,560.20	9.09%	
TOTAL AMOUNT	\$35,008,162.21	100.00%	

Small Business Development Signature: Eric Perez Date: 7/8/2021

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

WASD is recommending 6.75%