

ADVERTISEMENT FOR BIDS
MIAMI-DADE COUNTY, FLORIDA

Sealed bids for an Ocean Outfall Legislation (OOL) project known and identified as **OCEAN OUTFALL LEGISLATION PROGRAM, CONSTRUCTION PACKAGE ST-2D-A SOUTH DISTRICT WASTEWATER TREATMENT PLANT ELECTRICAL DISTRIBUTION BUILDING 3, Contract No. S-930A**, will be received electronically or as modified by addendum by the Miami-Dade Water and Sewer Department, located at 3071 SW 38 Ave., Miami FL 33146, until 2:00 P.M., Local Time on **November 22, 2021**. Bidders Bids/Proposals must be submitted along with the Certificate of Assurance (COA) and must have identify the name of the Bidder, the name and number of the project for which the bid is submitted, and the date of the bid opening. Bids will be opened publicly and read aloud during a Zoom Virtual Meeting on the date and time stated above. Bidders shall also send a hardcopy of their Bid to the Miami-Dade Water and Sewer Department is 3071 SW 38 Avenue, Miami, FL 33146, to the attention of the Construction Contracts Section, which must be post marked within 24-hours of the bid submittal deadline. The County reserves the right to postpone or cancel the bid opening at any time prior to the scheduled opening of bids.

Note:

- a. **To obtain a copy of the Bid Set Plans and Specifications, interested parties shall submit a check or money order in the amount of \$20 payable to the Miami-Dade Water and Sewer Department and indicating on the check the Contract Number of the project being requested. An email address and business address shall also be provided so that the County may provide a link to the Bid Set documents.**
- b. Bidders must submit a completed, signed and notarized Certificate of Assurance (COA) along with the Bid Submittal Package (included in this solicitation package). Bids without a COA shall be considered non-compliant and not eligible for award.
- c. Bidders are instructed to place the completed COA on top of the bid package so that it can be readily identified by the Department during the bid opening. By submitting a completed COA, the bidder acknowledges the Small Business Enterprise (SBE) measures applied to the project and agrees to submit, upon notification by SBD or the Miami-Dade County Business Management Workforce System (BMWS), a Utilization Plan via BMWS listing all certified SBE subcontractor(s) to be utilized to satisfy the measures on the Project, indicating the percentage of work and the description of the work to be performed (pursuant to the firm's certification), within the specified time frame. All SBEs listed in the Utilization Plan will be required to confirm their subcontractor agreement via BMWS, within the specified time frame, before the Utilization Plan may be submitted to SBD for approval. All subcontractors must be certified SBE-CON firms. Bidders can confirm a SBE-CON certification via BMWS at <http://mdcsbd.gob2g.com/>.

NOTE: REQUESTS FOR INFORMATION (RFI) WILL ONLY BE ACCEPTED UP TO 5:00 PM ON November 10, 2021. ANY RFI RECEIVED AFTER THIS DATE WILL NOT BE CONSIDERED..

A Virtual Pre-Bid meeting will be conducted via ZOOM, Bidders are encouraged to download and install ZOOM on their mobile device or laptop that has a camera. This is a MANDATORY PRE-BID CONFERENCE and will be conducted on October 13, 2021. The meeting will be held online via ZOOM and will begin at 10:00 A.M. or shortly thereafter. Note: any bidder joining the meeting after 10:30 AM will be considered late and will be disqualified from submitting a Bid.

Join Zoom Meeting

<https://miamidade.zoom.us/j/85026773122?pwd=YnhicnQ5aFVvNE85R3VLNTBTM252QT09>

Meeting ID: 850 2677 3122

Passcode: 370332

A MANDATORY SITE VISIT will be conducted on **October 21, 2021** at the South District Wastewater Treatment Plant, located at 8950 SW 232nd Street Miami, Florida, 33190. Bidders are required to attend both of these functions for their bid to be considered responsive. Since the plant is a facility with restricted access, Bidders are encouraged to also invite any of their trade subcontractors, specialty subcontractors or vendors to this event. Participants attending the site visit must wear personal protection equipment (PPE) including hardhat, safety glasses, safety shoes and safety vest. In addition, a Covid-19 Questionnaire (located in the Appendix) is required to be submitted and approved for each participant at the Site Visit.

The Bid Proposal must be accompanied by a bid security in an amount not less than five percent (5%) of the total bid. The bid security can be in the attached Prescribed Bid Bond form, which shall be executed by the Bidder and a qualified Surety, satisfactory and payable to the Miami-Dade County, Florida, Board of County Commissioners. The bid security can also be in the form of a certified check or cashier's check on a solvent national or state bank. The successful contractor must execute a one hundred (100%) Surety Performance and Payment Bonds. NO BIDDER MAY WITHDRAW HIS BID WITHIN 120 DAYS FROM BID OPENING DATE. **NOTE: Before entering into a contract with the County, contractors must register and acquire a Vendor Identification Number (VIN). For further information, you can go to <http://www.miamidade.gov/procurement/vendor-registration.asp>, or call the Vendor Service Section in the Division of Procurement Management at (305) 375-5773.**

For additional information please call Mr. Isaac Smith at (786) 552-8255 or send electronic mail to: Isaac.Smith@miamidade.gov. **NOTE: THIS PROJECT IS UNDER THE CONE OF SILENCE (Pursuant to MDC Section 2-11.1 (t)) ANY E-MAILS SENT TO MR. ISAAC SMITH MUST ALSO COPY THE CLERK OF THE BOARD AT Clerk.Board@miamidade.gov.**

The Project is subject to the requirements of Miami Dade County Code (County Code) Sec. 10-33.02. - Small Business Enterprise Construction Services Program and Administrative Order 3-22 whereby it has been determined that subcontractor goals must be included in the Contract. **The Small Business Enterprise – Construction goal is 10.16% and the Small Business Enterprise – Goods goal is 1.34% which is based on the construction estimate plus the 10% Contingency Allowance. A 10% Community Workforce Program goal is applicable to this project.**

This project is one in a series of projects that are being processed under County Code Section 2-8.2.12, entitled Miami-Dade Water and Sewer Department Consent Decree and Capital Improvement Programs Acceleration Ordinance. In general, the project consists of furnishing all materials, labor, and equipment necessary for constructing the scope new Electrical Distribution Building 3 (EDB3) at the SDWWTP. Electrical Distribution Building 1 (EDB1) will be repurposed to an electrical maintenance shop following the electrical power redistribution of process loads to be done under this project. This project will be located at the South District Wastewater Treatment Plant, located in Miami, 23300 SW 88th Ave, Miami Dade County, Florida 33032.

The scope of work will specifically include the following activities:

1. Modifications to Existing EDB 1:

- Demolish and dispose existing 13.2kV and 4.16kV Generator Switchgear and associated generator step-up transformers.
- Demolish and dispose existing 13.2kV – 480V Substation 5/6 transformers.
- Remove and dispose existing 480V Switchgear that is fed from Substation 5/6 transformers.
- Remove and dispose existing 480V feeders from the existing Switchgear to Oxygenation Trains 1-4, Headworks, and the Filtrate.
- Remove and dispose temporary primary 13.2KV power feeders for the new Substations 5/6 and Substations 15/16, including a second feed tapped off of the load side of the circuit breakers in EDB1 that currently feeds the existing Substations 5/6 and Substations 15/16.
- No changes to the building HVAC, plumbing, or structural will be performed.
- Upgrade fixtures to LED type.
- New electrical panels.
- Provide new finish coatings.
- Demolish engine generators; and salvage radiators and turn over to Owner.
- Demolish fuel storage tanks 1 through 5, Truck Filling Station, and Fuel Transfer Pump Room with all corresponding equipment, piping, concrete pads/slabs, platforms.
- Salvage and turn over to Owner fuel storage tanks 6, 7, 8, and 9 and instruments for the generator for EDB1. Contractor to coordinate with Owner specific tanks and instruments to be salvaged.

2. Rehabilitation of Substations 1/2

- Modify existing Oxygen Production Facility 1 to add an enclosed space for the following new electrical equipment:
 - New 13.2kV-480V transformers 1 and 2.
 - New 480V arc-resistant Switchgear fed from transformers 1 and 2.
 - New 480V feeders from switchgear to Oxygenation Plant 1.
- Remove and dispose of asbestos containing material and lead based paint as noted in the Asbestos and Lead Survey Sub-Stations 1&2 (ATC, December 2020) attached as appendix K.
- Replace existing Motor Control Centers (MCC) located in the mezzanine area of Oxygen Production Facility 1.
- Connect Substations 1/2 controllers (GE RX3i programmable logic controllers) to the nearest RTU for incorporation into SCADA.
- Furnish and install air conditioning in the electrical room and transformer vaults.

3. New Electrical Distribution Building 3 (EDB3)

- Construct the superstructure and foundation including:
 - Air Compressor Room
 - Generator Room
 - Day Tank Rooms
 - Lubricant Waste Oil Storage Room
 - Air Tank Area
 - Fuel Transfer Pump/DEF transfer Pump Room
 - Control Room
 - Breakroom
 - Transformer Rooms
 - Switchgear Room
 - Bathrooms/Locker Rooms
 - A/C Mechanical Room
 - Diesel Workshop Area
 - Engineering and Document Storage Room
 - Bunk-bed Area Room
- Furnish and install air conditioning for the EDB3 building
- Furnish and install plumbing including sanitary and potable water distribution with hot water to plumbing fixtures and emergency eyewash/showers, including condensate drainage collection and reclamation for makeup water for cooling towers.
- Furnish and install fire protection, including sprinklers, fire alarm panels and signaling interconnected with existing plant-wide fire alarm system.
- Install new RTU for EDB3.
- Interconnection of RTU with existing SCADA network.
- Interconnection of SWGR package PLCs to new RTU for data transmission to the SCADA network.
- Connect EDB3 sanitary sewer and potable water to site utilities and services.
- Furnish and install paving, grading and drainage for new EDB3 building and the new fuel transfer facility as per drawings and specifications.

4. Diesel Emissions Fluid (DEF) Facilities

- Furnish and install two exterior DEF storage tanks to be located at the north west side of EDB3 building, including platforms, railing, piping, lighting, trenches, instruments, panels, and ancillary equipment.

5. Fuel Facility

- Furnish and install one Fuel Storage Tank Facility located at the north west side of the building. This facility includes six (6) elevated storage tanks located on a concrete slab, platforms, railing, piping, lighting, trenches, instruments, panels and ancillary equipment.

6. Florida Power and Light (FPL) Switches and Meter Platform

- Coordinate with FPL to install two new dedicated feeders from existing FPL substation at the South District Wastewater Treatment Plant (SDWWTP).
- Construct FPL meter platform located at the north east side of the building to provide access to FPL switches for maintenance.
- Furnish and install duct banks, transformer pad, and metering section per FPL requirements.

7. Electrical Distribution Equipment

- Furnish and install arc Resistant 15kV, main-tie-tie-main service entrance switchgear.
- Furnish and install arc Resistant 5kV, main-tie-tie-main engine-generator switchgear.
- Furnish and install 5kV – 15kV step-up transformers for generator power distribution to plant switchgear.
- Furnish and install 15kV – 480V step-down transformers for building service loads.
- Furnish and install arc Resistant 480V switchgear, switchboards, motor control centers as indicated in drawings and specifications. Building loads including lighting, HVAC, water heating, filtration, ventilation, fire alarm and receptacle loads will be 480V with step down transformers for 120V.

8. Standby Engine-Generators

- Install eleven (11) 13.2 kV Engine-Generators with exhaust silencers.
- Installation of associated process piping.
- Install Engine-Generator control systems.
- Install Engine-Generator fuel storage and transfer system.
- Installation of a diesel exhaust fluid system for the diesel-fueled Tier 4 engine-generators in EDB3 only.
- Service air throughout building for engine air stating and pneumatic tool usage.

9. Building Services

- Furnish and install Lighting/Convenience Receptacles.
- Furnish and install Fire Protection/Suppression System (including foam system for the day tanks).
- Furnish and install Lightning Protection
- Furnish and install Grounding
- Furnish and install electrical provisions for Security system as shown in the drawings.

10. Duct Bank System

- Furnish and install Primary Selective Feeders routed through duct bank system from switchgear to process areas.
- Furnish and install 480V Duct banks.
- Furnish and install Signal Duct banks

It is Miami-Dade Water and Sewer Department's intent to obtain a completely functional and satisfactory installation under this project, and any items of labor, equipment or materials which may be reasonably assumed as necessary to accomplish this and shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. The Contractor shall provide all sheeting, shoring, bracing and all other labor, material or equipment required to preclude damage to, or loss of functionality of, any existing facility or system.

The construction estimate (consisting of biddable items) for this project is **\$106,686,636.50**. **NOTE: THIS AMOUNT DOES NOT INCLUDE A CONTINGENCY ALLOWANCE, OR DEDICATED ALLOWANCES.** The construction time from Notice to Proceed is 1309 consecutive calendar days to Substantial Completion and 1365 consecutive calendar days to Final Completion.

The County has allocated certain funds for this project. Should the amounts bid exceed expected levels, the Department reserves the right to either reduce quantities and/or delete elements of the work while proceeding at the prices bid or reject bids and re-advertise at its sole option.

Funding is being sought from the Water Infrastructure Finance Innovation Act (WIFIA) Program and from the State Revolving Fund, hence all Bidders shall, in preparing their bids, take into consideration and be prepared to comply with the requirements provided in the Florida Department of Environmental Protection Supplementary Conditions, attached herein. No extra time or compensation will be allowed for said compliance.

Bidders are advised that this project has a Davis-Bacon Wage requirement. The successful bidder is required to pay all laborers and mechanics employed by the contractor or subcontractors' wages at rates not less than those prevailing for the same type of work on similar construction in Miami-Dade County Wages & Benefits Schedule.

In addition, pursuant to the WIFIA funding source, this project is subject to the "American Iron and Steel (AIS)" provision that requires the use of iron and steel products that are produced in the United States. By statute, "iron and steel products" means the following products made primarily of iron or steel: lined or unlined pipes and fittings, manhole covers and other municipal castings, hydrants, tanks, flanges, pipe clamps and restraints, valves, structural steel, reinforced precast concrete, and construction materials.

One of the following licenses is required: State General Contractor, General Engineering Contractor and/or other categories as applicable by Chapter 489 of the Florida Statutes or County Code Chapter 10. (See Instruction to Bidders, Section 13). Also see SP 1.0 of the Special Provisions for additional bidder qualifications and minimum construction experience requirements to be provided at bid submittal. Bidders shall demonstrate relevant minimum experience by submitting proof with their bid submittal contract experience as required below.

Bidders shall submit proof, along with their bid, that their firm has successfully completed comparable projects meeting the following criteria:

- The Bidder's proposed project manager shall have successfully completed a minimum of two (2) projects demonstrating project management experience with large wastewater treatment upgrade projects having a total construction value (for each project) of greater than \$50 million. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.
- The Bidder must have successfully completed the construction and/or rehabilitation of a minimum of two (2) electrical distribution rooms with at least 6 diesel engine type generators along with fuel storage tanks and accessories and construction of fuel pipe system. The Bidder shall be experienced in performing the WORK while maintaining operations of a wastewater facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.
- The Bidder or the Bidder's Electrical Subcontractor shall have successfully completed a minimum of three (3) projects demonstrating experience procuring and installing main electrical equipment, medium and low voltage electrical power systems, including transformers and switchgear. The Bidder shall be experienced in performing the WORK while maintaining operations of a wastewater facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.
- The Bidder or Bidder's Electrical Subcontractor Lead Electrician shall have successfully completed a minimum of one (1) project demonstrating experience with medium or high voltage power supply systems, including transformers and switchgear. The BIDDER shall be experienced in performing WORK while maintaining operations of a wastewater facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.
- The Bidder or Bidder's Instrumentation and Controls Subcontractor shall have successfully completed a minimum of one (1) project demonstrating experience with instrumentation and controls including connections into an existing SCADA. The experience may be demonstrated by the general CONTRACTOR or a specialty sub-consultant for their discipline work. The BIDDER shall be experienced in performing WORK while maintaining operations of a wastewater facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.
- The Bidder or Bidder's HVAC Subcontractor shall have successfully completed a minimum of one (1) project demonstrating experience with HVAC equipment including cooling towers. The Bidder shall be experienced in performing WORK while maintaining operations of wastewater facility. These projects shall have been performed within the past ten (10) years from the date of the Invitation to Bid.
- 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, OWNER reserves the right to qualify the firm based on OWNER's sole determination and evaluation of the knowledge and prior experience of these key employees employed by the new firm. The experience of key senior personnel with other firms may be counted towards the experience requirement, if acceptable to the ENGINEER. Should such evidence not be satisfactory to the ENGINEER, whose decision shall be final, the bid will be considered non-responsive, and the second lowest bidder will be considered for award. The qualifying proof shall be submitted in a separate sealed envelope with the bid.

The Contract Documents are available to the public for inspection at the Douglas Headquarter Building of the Miami-Dade Water and Sewer Department, Construction Contracts Section, Room No. 107, located at 3071 SW 38 Avenue, Miami, FL 33146. Only electronic copies of the Contract Documents on CD are available for purchase. CD's with Contract Documents may be obtained at the physical address above, or requested through the mail, directed to the attention of Mr. Isaac Smith, Construction Contracts Section, **addressed to 3071 SW 38 Avenue, Miami, Florida 33146**, for a non-refundable charge of **Twenty (\$20.00)** per CD, in the form of cash, or check or money order made payable to the Miami-Dade Water and Sewer Department and indicating on the check the Contract Number of the project being requested. If requested by mail, the bidder has to include his FEDEX account to cover the charges, otherwise, the set cannot be sent.

The contractor is hereby advised pursuant to Miami-Dade County Resolution R-1395-05 and County Code Section 2-1701, Contractors involved in the construction of improvements on County property must post a notice of job opportunities with the Miami-Dade County Job Clearinghouse. Contractors with job openings must complete a Notice of Job Opening form and submit to the Small Business Development (SBD) Division of Internal Services Department (ISD) for posting. The job vacancy notices should be delivered within ten (10) working days following award of the contract and whenever a job opening occurs.

Pursuant to County Code Section 2-11.1 (t), a "Cone of Silence" is imposed upon RFP's, RFQ's or bids after advertisement and terminates at the time the County Mayor issues a written recommendation to the Board of County Commissioners or authorizes an award subject to Miami Dade Code County Code Section 2-8.2.12.

The Responsible Wages and Benefits Ordinance 90-143 (County Code Section 2-11.16) applies to this Project. The current Responsible Wage Rates are published annually and can be found at www.miamidade.gov/smallbusiness/responsible-wages-and-benefits.asp. These requirements are set forth in the Instruction to Bidders Section 21.

The County has an initiative to provide construction labor employment and training opportunities for Miami-Dade residents through Employ Miami-Dade initiative. Contractors are encouraged to visit the Employ Miami-Dade website at <https://www.employe-miamidade.gov> to learn more about this continuing effort.

Bidders are hereby advised that pursuant to Article 6D of the General Terms and Conditions, the Contractor is required to perform not less than twenty-five percent (25%) of the work, not inclusive of materials purchased, with his/her own form.

The Contract is subject to review and audit by the Office of the Miami-Dade County Inspector General (IG) and further information is specified in the Instruction to Bidders and General Covenants and Conditions. The cost of mandatory random audits by the Miami-Dade County IG is 1/4 of one percent of the Contract price and shall be incorporated into the Contract price by the Bidder. The Department will deduct from each progress payment 1/4 of one percent of that payment to fund the Office of the Miami-Dade County Inspector General.

This Project is subject to the requirements of County Code Section No. 2-8.5 of the, which mandates that in any competitive bid process where award, if any, is to be made to the responsive and responsible bidder offering the lowest bid (the "Low Bidder" and "Low Bid" respectively), the following shall apply:

1. If the Low Bidder is not a Local Business, then any and all responsive and responsible Local Businesses submitting a price within ten percent of the Low Bid, the Low Bidder, and any and all responsive and responsible Locally Headquartered Businesses submitting a price within fifteen percent of the Low Bid, shall have an opportunity to submit a best and final bid equal to or lower than the Low Bid.
2. If the Low Bidder is a Local Business which is not a Locally Headquartered Business, then any and all responsive and responsible Locally Headquartered Businesses submitting a price within five percent of the Low Bid, and the Low Bidder shall have an opportunity to submit a best and final bid equal to or lower than the Low Bid.
3. Award, if any, shall be made to the responsive and responsible bidder offering the lowest best and final bid.
4. Ties in best and final bid shall be resolved in the following order of priority: Locally Headquartered Business, Local Business, other business.
5. If no best and final bid is required in accordance with the provisions above, award, if any, shall be made to the Low Bidder.

This Project is subject to the provisions of County Code Section 2-8.8, Fair subcontracting practices, which requires that all contracts in which a bidder may use a Subcontractor, prior to contract award, the bidder shall provide a detailed statement of its policies and procedures for awarding subcontracts. Additional information is provided in the Instruction to Bidders and Standard Construction General Conditions.

Prospective bidders are advised that 1) the County reserves the right to directly purchase materials, equipment, supplies and other items for this project, which are included in the Contractor's Base Bid and/or the Contract, (substantially in accordance with the Contract Documents) and 2) a Recommendation for Contract Award will be conditioned upon the submittal of any and all documents required by the County as part of the bid evaluation process, including but not limited to, the schedule of values and project schedule.

Listing of subcontractors required (County Code Sec. 10-34, 2-8.1 and 2-8.8). The requirements of this section shall apply to those county and Public Health Trust construction contracts in which a bidder may use a subcontractor which involve the expenditure of one hundred thousand dollars (\$100,000.00) or more. Such contracts shall require the entity contracting with the county to list all first tier subcontractors who will perform any part of the contract and all suppliers who will supply materials for the contract work direct to such entity. The contract shall also require the entity contracting with the County to report to the County the race, gender, and ethnic origin of the owners and employees of all such first tier subcontractors. When a competitive process is utilized to select the entity that will contract with the county, the specifications shall provide that it shall be a condition of award for the successful bidder to provide the listing of subcontractors, if required. The contract shall require the contractor to provide to the County the race, gender and ethnic information as soon as reasonably available and in any event prior to final payment under the contract. Timely submission of a properly completed and signed "Subcontractor/Supplier Listing, ISD Form 7" (a copy of which is included in the specifications) constitutes compliance with the listing requirements of the Ordinance. In order to be deemed properly complete, the word "NONE" must be entered under the appropriate heading of ISD FORM 7 if no subcontractors or suppliers will be used on the contract. Additional information is provided in the Instruction to Bidders and General Covenants and Conditions.

The Board of County Commissioners, Miami-Dade County, Florida, reserves the right to reject any or all bids, to waive any informality in any bid or to re-advertise for bids. Bids from any person, firm or Corporation in default on other contracts or agreements with the County may be rejected. Failure by the Bidder to satisfy claims on previous contracts with the County may be cause for rejection of his bid.

Roy Coley, Director
Miami-Dade Water and Sewer Department
Miami-Dade County, Florida