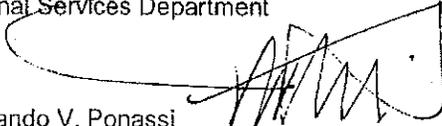


Memorandum



Date: May 21, 2014

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

From: Fernando V. Ponassi 
Manager, Contracts Administration
Design and Construction Services Division
Internal Services Department

Subject: Notice of Construction Contract, ISD Contract No. W130077, ISD/FUMD/Central Support Facility – Multiple Chiller Replacement, 50 NW 2nd Avenue, Miami, FL 33128.

The attached worksheet is provided for your information regarding the subject project. The Internal Services Department (ISD) requests that you review the attached recommendation for "measures and goals" pursuant to the Community Small Business Enterprise (CSBE) and the Community Workforce Program (CWP). This project is funded through the General Obligation Bond (GOB) Program.

The existing Central Support Facility Chiller Plant (CSF) consists of six (6) centrifugal water-cooled chillers (CH-1 through CH-6), six (6) horizontal split-case chilled water pumps (CHWP-1 through CHWP-6), six (6) horizontal split-case condenser water pumps (CWP-1 through CWP-6), and six (6) ceramic cooling towers. The CSF serves County-owned buildings through an underground chilled water pipe network known as the "central support loop" and is also tied into the "north loop" chilled water piping network served by the North Loop Chilled Water Plant via isolation valves. The scope of work consists of, but is not limited to; replacing two (2) existing water-cooled chillers (ch-2 and ch-4) with new equally sized water-cooled chillers with remote reduced medium-voltage starters. It shall include the following:

- Preparation of onsite work;
- Decommissioning and removal of the existing chillers; and
- Installation, testing, and commissioning of the new equipment.

In addition to meeting the licensing requirements, the Contractor shall have documented prior experience, which must show that the prospective contractor has previously installed chiller units with a rated capacity of 1,000 tons or greater over the past five (5) years, and in a site condition similar to one to be faced at the referenced location. The Contractor shall provide the location of the previous project, the name and phone number of the individual/firm verifying the reference, and the manufacturer's name, model number, and tonnage of the chiller/s installed by the bidder in order to meet the minimum experience required. The trades that will impact this project are Mechanical Contractor (prime) and Electrical Contractor (sub-trade). **ISD recommends that a 6% CSBE goal be established for this contract.**

This contract includes the cost of disposing of all materials. The General, Supplemental and Special Conditions are included for additional project details. If additional information is required, please contact Eric Perez, Project Manager, at (305) 375-4814.

cc: Tara C. Smith, Acting Director, DCSD
Richard Bechtold, MCC Coordinator, DCSD
Laurie Johnson, SBD
Vivian Forhat-Diaz, SBD
Project File

DEPARTMENT INPUT
CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Check applicable Ordinance(s): 90-143 Responsible Wage and Benefits Workforce Program 03-237 (formerly 03-1) Community Workforce Program

PROJECT INFORMATION See attachment

Contract/Project/*Work Order No.: W130077

Contract/Project Title: ISD/FUMD/Central Support Facility - Chiller Replacement

Description/Scope of Work: The existing Central Support Facility Chiller Plant (CSF) consists of six (6) centrifugal water-cooled chillers (CH-1 through CH-6), six (6) horizontal split-case chilled water pumps (CHWP-1 through CHWP-6), six (6) horizontal split-case condenser water pumps (CWP-1 through CWP-6), and six (6) ceramic cooling towers. The CSF serves County-owned buildings through an underground chilled water pipe network known as the "central support loop" and is also tied into the "north loop" chilled water piping network served by the North Loop Chilled Water Plant via isolation valves.

The scope of work consists of, but is not limited to, replacing two (2) existing 1,500-ton water-cooled chillers (CH-2 and CH-4) with new, equally sized units with remote reduced medium-voltage starters. The work will also include all required site preparation activities, decommissioning and removal of the existing chillers, furnishing and installation new equipment, including testing and commissioning of the new equipment.

Estimated Cost: **\$1,780,900** Funding Source: General Obligation Bond Program (GOB)

Location of Project: 50 NW 2nd Avenue, Miami, FL 33128

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP) See attachment

Engineer/Department or Agency's estimated required workforce for Project Work Order :

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job

Comments: N/A

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
Electrical Contr.	\$105,900	6%	77
	\$	0%	
	\$	%	

RECOMMENDATION

Set-Aside: Level 1 Level 2 Level 3 Trade Set-Aside Sub-Contractor Goal Workforce Goal No Measure

Basis for Recommendation: This contract is funded through GOB Funds

Date submitted to SBD: 5/21/2014
 Contact Person: Richard Bechtold, MCC Coordinator / Capital Improvements Analyst
 Telephone No.: 305.375.4365

Project # W130077	
GENERAL REQUIREMENTS	
General Conditions (General Cond + Demolition)	\$216,075.00
Centrifugal liquid chiller, water cooled, open drive 1500 ton, includes standard controls, excludes water tower	\$1,143,000.00
Piping and Connections Chillers	\$40,000.00
Controls Upgrade	\$50,000.00
Butterfly Valve Replacement (Manual)	\$25,500.00
Butterfly Valve Replacement (Motor-actuated)	\$38,525.00

ELECTRICAL

Cable terminations, indoor, insulation diameter range, 5 kV, 1.05" to 1.8", pad mount	\$4,000.00
Medium-cable single cable, copper, XLP shielding, 5 kV, 1/0, in conduit, excl splicing & terminations	\$6,500.00
Wire, copper, stranded, 600 volt, #12, type THWN-THHN, in raceway	\$300.00
Wire, copper, stranded, 600 volt, #10, type THWN-THHN, in raceway	\$300.00
Wire, copper, stranded, 600 volt, #8, type THWN-THHN, in raceway	\$300.00
Flexible metallic conduit, sealtite, 1" diameter	\$400.00
Flexible metallic conduit, sealtite, 3" diameter	\$800.00
480V Motor, Enclosed Class B Insulation, 100HP, 1800 RPM.	\$28,400.00
Chiller Connections	\$5,000.00
Medium Voltage Switch	\$38,900.00
Replacement of switchgear door with new and Eaton EMR4000 motor protection realy with metering	\$21,000.00
BASE TOTAL	\$1,619,000.00
CONTINGENCY (10% OF BASE)	\$161,900.00
ESTIMATED COST	\$1,780,900.00

Internal Services
 111 NW 1st Street
 24th Floor, Suite 2420
 miami, FL 33128



MIAMI-DADE COUNTY, FLORIDA
REQUEST FOR PRICE QUOTATION (RPQ)
 Contract No: MCC 7360 Plan - CICC 7360-0/08
 RPQ No: W130077

This RPQ is issued under the terms and conditions of the MCC 7360 Plan .

Date Issued: 4/24/2014 Bid Date Due: 5/28/2014 Time Due: 02:00 PM

Bid shall be Submitted Via: Sealed Envelope to:

Name: Miami Dade County Clerk of the Board Email: clerkbcc@miamidadegov

Address: 111 NW 1st Street Suite 17-202, Miami Florida 33128 Fax: 305-375-2484

RPQ Added: 4/2/2014 User Bidder Request: N/A Bond Adm./OMB Approval: 4/10/2014 Bidders Added: 4/15/2014

Project Number: W130077 Estimated Value: \$1,619,000.00
 (excluding contingencies and dedicated allowances)

Project Name: ISD/FUMD/Central Support Facility - Multiple Chiller Replacement Emergency: N

Project Location: 50 NW 2nd Avenue, Miami, FL 33128 ESP: N UAP: N

Department Contact: Mohammed Taha Phone No: 305-375-5723 Fax No: 305-375-1125

Project Manager: Eric Perez Phone No: N/A Fax No: N/A

Document Pickup: Contact: Ruth Castellanos Phone: 305-375-2082 Date: 4/15/2014

Document Pickup: Location: 111 NW 1st Street, Suite 2420, Miami, FL 33128

	Y/N:	Mandatory:	Date:	Time:	Location:
PreBid Meeting:	<u>Y</u>	<u>Y</u>	<u>5/30/2014</u>	<u>10:00 AM</u>	<u>50 NW 2nd Avenue, Miami, FL 33128</u>
Site Meeting:	<u>Y</u>	<u>Y</u>	<u>5/30/2014</u>	<u>10:00 AM</u>	<u>50 NW 2nd Avenue, Miami, FL 33128</u>

Type of Contract: Multiple Trade Method of Award: Lowest Responsible Bidder

Performance/Payment Bond Required: Y Bid Bond Required: Y Insurance Required: Y

Addition Insurance Required: Y Addition Insurance Amount: \$2,000,000.00

Comm Dist: District 5 Davis Bacon: N AIPP: N \$0.00

Prevailing Wage Rate Requirements: N/A SBD Subcontract Forms Required: Y

Date Advertised: Review Committee Date:

CSBE Requirements: Y 100.00% Trade Set-a-side: N

DBE Requirements: N 0.00% DBE Subcontract Forms Required: N

CWP Requirements: N 0.00%

Trade(s): General Mechanical, Master (Primary) Electrical Contractor (Sub)

Anticipated Start Date: 6/21/2014 Calendar Days for Project Completion: 300

Liquidated Damages / \$\$ Per day: Y \$500.00 Method of Payment: Scheduled Monthly Payments

CAPITAL BUDGET PROJECT # - DESCRIPTION	MCC ESTIMATE
119260- CENTRAL SUPPORT FACILITY CHILLER	\$1,647,000.00

FUNDING SOURCE:

SOURCE	PROJECT NUM	SITE #	MCC ESTIMATE
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Building Better Communities GOB Program	N/A	N/A	\$1,647,000.00
GOB PROJECT # - DESCRIPTION			<u>MCC ESTIMATE</u>
225 - Cooling Capacity Enhancement at the Central Support Facility			\$1,647,000.00

Awarded To:	CSBE Exp Date:	Paid Amt: \$0.00	
Collusion Affidavit Received: <u>N</u>		Date Collusion Affidavit Received:	
Base Amt: <u>\$0.00</u>	Cont Amt: <u>\$0.00</u>	Ded Amt: <u>\$0.00</u>	Award Amt: <u>\$0.00</u>
Insurance:	ISD Reviewed:	Date Approved:	GL Ins Exp Dt:
Bid Bond:	Risk Approved:	Date Approved:	AL Ins Exp Dt:
P & P Bond:	Risk Approved:	Date Approved:	WC Ins Exp Dt:

Scope of Work: (Contractor must obtain and submit all permits prior to performing any work.)

The existing Central Support Facility Chiller Plant consists of six (6) centrifugal water-cooled chillers (ch-1 through ch-6), six (6) horizontal split-case chilled water pumps (chwp-1 through chwp-6), six (6) horizontal split-case condenser water pumps (cwp-1 through cwp-6), and six (6) ceramic cooling towers. The Central Support Facility Chiller Plant serves county-owned buildings through an underground chilled water pipe network known as the Central Support Loop and is also tied into the North Loop Chilled Water piping network served by the North Loop Chilled Water Plant via isolation valves.

The scope of work consists of, but is not limited to, replacing two (2) existing water-cooled chillers (ch-2 and ch-4) with new equally sized water-cooled chillers with remote reduced voltage medium-voltage starters including portions of chilled water and condenser water piping from the chiller and up to the existing shut-off or isolation butterfly valves. It shall include the preparation of onsite and work allowance for decommissioning and removal of the existing chillers, and installation of the new equipment and its testing and commissioning.

The work shall be carried out in phases (Refer to project drawings) so that shut downs and/or interruptions of the existing chiller plant operations are minimized and chilled water service is maintained throughout while performing the work described herein. The new chillers will be connected to the existing Siemens apogee BMS system. Additional work will also include:

1. Pipe freezing associated with the removal and replacement of existing manual isolation butterfly valves on ch-2, 3, & 4 chilled water supply pipes.
2. Removal and replacement of existing manual isolation butterfly valves with new pneumatic-actuated butterfly valves on ch-2, 3, 4, & 6 return pipe.
3. Removal and replacement of existing pneumatic-actuated isolation butterfly valve with new pneumatic-actuated butterfly valve on ch-5 return pipe.
4. Replacement of the existing remote-mounted starter.

The 5kv conductors in existing raceways are to remain. The new chillers shall be removed and installed one at a time.

Due to the fact that the existing facilities where the chillers are to be installed include necessary multi-story hoisting, limited structural openings and clearances available between equipment, piping and other miscellaneous components that must remain operational, chiller(s) must be disassembled into major assemblies as required by the installation. The chillers shall be delivered from the factory and disassembled in a contractor provided secured storage facility. Disassembled chiller components shall not exceed the maximum existing I-beam crane weight limit of 15-tons. Disassembly and reassembly of chiller components shall be carried out in strict accordance to and under direct supervision of the chiller manufacturer and its authorized representative.

Prospective bidders shall refer to the construction documents, including the plans and specifications available for purchase with the bid documents for a more detailed scope of work. City of Miami Building Department approved plan Process number is: BD14-001026-001.

Design Drawings Included: <u>Y</u>	Shop Drawings Included: <u>N</u>	Specifications Included: <u>Y</u>
Project Qualifier: Mahmood Rezaie	Phone No: <u>(305) 375-2324</u>	EMail: <u>RM3932@miamidade.gov</u>

Comments:

In accordance with Miami-Dade County implementing Order 3-9, Accounts Receivable Adjustments, if money is owed by the Contractor to the County, whether under this Contract or for any other purpose, the County reserves the right to retain such amount from payment due by County to the Contractor under this Contract. Such retained amount shall be applied to the amount owed by the Contractor to the County. The Contractor shall have no further claim to such retained amounts which shall be deemed full accord and satisfaction of the amount due by the County to the Contractor for the applicable payment due herein.

Requests for Information (RFIs):

All requests for information (RFI) shall comply with the Code of Silence, Administrative Order 3-27 and shall be directed to the CAS Contract Coordinator, Mohammed Taha, CM2 via e-mail at taham@miamidadegov, or via fax at (305) 375-1125. The deadline to receive RFIs from bidders is no later than 4 PM, May 5, 2014.

Examination of Bid Documents:

Before submitting a bid, the bidder shall examine the Bid Documents, which may be purchased from ISD/CAS at a non-refundable cost of Twenty Dollars (\$20.00) for each complete set of documents. Located at, 111 NW 1 St., Suite 2420, Miami, FL 33128. Payment shall be made in the form of a company check, cashier's check, or money order payable to the Board of County Commissioners of Miami-Dade County, Florida.

Bid documents consist of Attachment 5A (Bid Form), Attachment B (Contract Conditions) and Attachment C (Technical Specifications). All bidders shall become thoroughly familiar with all of the terms of this RPQ prior to the Pre-Bid meeting. Failure to do so will in no way relieve the successful bidder from completing the required work for the bid price.

BIDS SUBMITTAL:

Bids must be submitted in a sealed envelope, and the bidder's name and address, as well as the title and number of the contract for which the bid is being submitted, must be indicated on the outside of the envelope. The sealed envelope shall include the following documents:

1. Bid price using form 5-A, (provided in the bid package).
2. Bid guarantee in the form of a bid bond (using the form provided by Miami-Dade County), certified check, or cashier's check. Failure to include a bid guarantee shall render the bid non-responsive.
3. Vendor Affirmation Affidavit (If not previously submitted)
4. Department of Internal Services, Division of Small Business Development's (SBD) Form 400 "Schedule of Intent" (SOI) listing each subcontractors to work on the project, if applicable.
5. Prospective bidders shall submit a minimum of three (3) references within the last five (5) years that are representative to the general scope of work which is currently being advertised, and must also be of equal or greater value. References must include the following information 1) a description of scope of work performed 2) client contact information: name, address, phone number, email address, project cost, and project completion date.

Bids will be received until 2:00 PM on the bid due date at the Office of the Clerk of the Board, 111 NW 1st Street, Suite 17-202, Miami, FL 33128. The sealed envelope will be opened shortly after the submittal deadline at 111 NW 1st Street, 18th Floor, Miami, FL 33128.

Collusion Affidavit: Failure to provide a Collusion Affidavit within ten (10) calendar days after the recommendation to award has been filed with the Clerk of the Board shall be cause for the contractor to forfeit their bid/proposal bond.

All bidders shall become thoroughly familiar with all of the terms of this RPQ prior to the Pre-Bid meeting. Failure to do so will in no way relieve the successful bidder from completing the required work for the bid price.