

**SBD - CM REVIEW FORM**

**To:** Business Opportunity Support Division - A/E  
**From:** SBD CM - Vivian Forhat-Diaz  
**Department:** Internal Service Department **Contact:** Richard Bechtold  
**Date:** 05/21/14 **RESUMITTAL:** No

**PROJECT NUMBER:** RPQ # W130077  
**PROJECT TITLE:** ISD/FUMD/Central Support Facility Multiple Chiller Replacement.  
**PROJECT LOCATION:** 50 NW 2<sup>nd</sup> Avenue, Miami, Fl, 33128

**SCOPE OF WORK/DESCRIPTION:** 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.

**SPECIAL REQUIREMENTS:** Prime Contractor shall 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.

TRADES/SUBTRADES	AMOUNT	COMMENTS
		<b>PRIME</b>
General Requirements including Demolition	\$216,075.00	Must meet special requirements.
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	
		<b>Electrical Contractor</b>
Cable terminations, indoor, insulation diameter range, 5 kV, 1.05" to 1.8", pad mount	\$4,000.00	*Possible Subcontracting opportunities
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	

Small Business Development Signature: *Vivian Forhat-Diaz* Date: 05/23/14

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

ISD is recommending 6% goal for CSBE participation

**PROJECT NUMBER: RPQ# W130077 (Continuation)**

TRADES/SUBTRADES	AMOUNT	COMMENTS
		<b>Electrical Contractor</b>
Wire, copper, stranded, 600 volt, #8, type THWN-THHN, in raceway	\$300.00	*Possible Subcontracting opportunities
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 relay with metering	\$21,000.00	
<b>BASE TOTAL</b>	<b>\$1,619,000.00</b>	
Contingency Allowance (10% of Base Estimate)	\$161,900.00	
<b>TOTAL AMOUNT</b>	<b>\$1,780,900.00</b>	