

ISSUING DEPARTMENT INPUT DOCUMENT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New
 OTR
 Sole Source
 Bid Waiver
 Emergency
 Previous Contract/Project No. FB-00035-1
Contract
 Re-Bid
 Other – Access of Other Entity Contract
 LIVING WAGE APPLIES: YES NO
 Requisition No./Project No.: EVN0000429
 TERM OF CONTRACT 5 YEAR(S) WITH 0 YEAR(S) OTR
 Requisition /Project Title: Cryogenic Oxygen Plant Maintenance and Technical Support Services

Description: The purpose of this Invitation to Bid is to establish a contract for the acquisition of maintenance, technical support, training, and equipment upgrade services for Cryogenic Oxygen Plants at County Facilities managed by the Miami-Dade Water and Sewer Department (WASD) as needed.

Issuing Department: SPD
 Contact Person: Sherry Y. Crockett
 Phone: 305.375.4693
Estimate Cost: \$3,189,000
Funding Source: Proprietary Fund

ANALYSIS

| | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------|-----------------------------------|--|--|
| Category: | <u>89049</u> | <u>96895</u> | <u>96896</u> | | |
| Contract/Project History of previous purchases three (3) years Check here <input type="checkbox"/> if this is a new contract/purchase with no previous history. | | | | | |
| | <u>EXISTING</u> | <u>2ND YEAR</u> | <u>3RD YEAR</u> | | |
| Contractor: | <u>Mohawk Cryo LLC</u> | | | | |
| Small Business Enterprise: | | | | | |
| Contract Value: | <u>\$3,909,000</u> | | | | |
| Comments: | <u></u> | | | | |
| Continued on another page (s): <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | | |

RECOMMENDATIONS

| | | | | |
|--------------------------------------------|------------------------------------------------|---------------------------|-----------------------|-------------------------|
| | Set-Aside | Subcontractor Goal | Bid Preference | Selection Factor |
| SBE | | | | |
| Basis of Recommendation: <u></u> | | | | |
| Signed: <u>Sherry Y. Crockett</u> | Date sent to SBD: <u>August 9, 2023</u> | | | |
| | Date returned to SPD: <u></u> | | | |

SECTION 2
ADDITIONAL/SPECIAL TERMS AND CONDITIONS

2.1 PURPOSE

The purpose of this Invitation to Bid is to establish a contract for the acquisition of maintenance, technical support, training, and equipment upgrade services for Cryogenic Oxygen Plants at County Facilities managed by the Miami-Dade Water and Sewer Department (WASD) as needed.

2.2 EXAMINATION OF SITE

Bidders may request to visit the three sites of the proposed work to become familiar with any conditions which may in any manner affect the work to be done or affect the equipment, materials and labor required. Bidders are advised to carefully examine the specifications and to become thoroughly aware regarding any and all conditions and requirements that may in any manner affect the work to be performed under the contract. No additional allowances will be made because of lack of knowledge of these conditions.

Bidders must submit their request for a site visit to the contact person stipulated herein, no later than _____ p.m. on _____.

2.3 TERM OF CONTRACT

This Contract shall commence on the first calendar day of the month succeeding approval of the Contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the Purchase Order issued by the County. The Contract shall expire on the last day of the 60th month.

2.4 METHOD OF AWARD

Award of this contract will be made to two (2) responsive, responsible bidders who submit an offer on all items listed in the solicitation and whose offer represents the lowest price when all items are added in the aggregate. While the method of award prescribes the method for determining the lowest responsive, responsible vendor, the County will award this contract to the designated lowest bidder as the primary bidder and will award this contract to the designated second lowest bidder as the secondary Bidder respectively. If the County exercises this right, the primary bidder shall have the primary responsibility to initially perform the service or deliver the goods identified in this contract. If the primary Bidder fails to perform it may be terminated for default and the County shall have the option to seek the identified goods or services from the secondary vendor.

Award to multiple bidders is made for the convenience of the County and does not exempt the primary bidder from fulfilling its contractual obligations. Failure of any bidder to perform in accordance with the terms and conditions of the contract may result in the selected Bidder being deemed in breach of contract. The County may terminate the contract for default and charge the selected Bidder re-procurement costs, if applicable. If the designated primary Bidder fails to respond to the emergency services as specified in the solicitation, the County reserves the right to engage the services of the awarded Bidder designated as secondary for these specific designated emergency

services, or to obtain the services of another Bidder deemed qualified as may be in the best operational interest of Miami-Dade County.

2.5 **QUALIFICATION CRITERIA**

Bidders must meet the minimum qualifications as stipulated herein. The County may, at its sole discretion and in its best interest, allow the Bidders(s) to provide the required documents during the bid evaluation period. Failure to provide the required documentation as specified by the County will result in the Bidders(s) not being considered for contract award.

2.5.1 **Minimum Number of Staff Members**

Bidder must have a minimum of three (3) individuals with experience providing technical support services at cryogenic oxygen plants. One (1) of the staff members shall be designated as the Field Engineer (refer to Paragraph 3.3). A minimum of two (2) individuals shall be designated as Technical Support Staff (refer to Paragraph 3.2).

Bidders shall provide names and titles of each staff member to the above requirements.

2.5.2 **Experience Requirements**

- 1) Field Engineer – the Bidder’s Field Engineer (as identified in Section 2.5.1.1) must have experience that includes a minimum of five (5) years specific experience in Union Carbide cryogenic systems in addition to a minimum of five (5) years’ experience in each of the three areas identified below for the Technical Support Staff. (Note: The Field Engineer must be an employee of the Bidder and the position cannot be subcontracted.)
- 2) Technical Support Staff (not including the Field Engineer who is provided above)– Each of the Bidder’s Technical Support Staff (as identified in 2.5.1) must have a minimum of five (5) years industry experience providing services to cryogenic oxygen production facilities in at least one of the following areas:
 - a) Support services at plants with a minimum 50-ton/day capacity that have reversing heat exchanger (RHX) based front-end design.
 - b) Warm plant thaw startup and facility maintenance services including insulation removal and cold end check valve replacement.
 - c) Installation, programming, troubleshooting and operation of programmable logic control (PLC) systems. This experience is to include GE Fanuc 90-30 CPU’s with iFix software communicating via Ethernet IP.

Additionally, the Bidder’s Technical Support Staff must collectively cover the experience requirements in all three areas. Bidder must offer enough Technical Support Staff so that all three areas are covered. The County may consider subcontracted services for the Technical Support Staff position(s). If a Bidder intends to subcontract any of these services, it must clearly articulate which position it intends to subcontract at the time of bid.

- 3) Resumes and Reference - Bidder must provide resumes for the Field Engineer and all Technical Support Staff (whether the position is subcontracted or not). Bidder must also provide two (2) references from previous or current employers verifying the Field Engineer's experience. This information must demonstrate to the County's satisfaction that the designated staff members are qualified to provide service for the oxygen generation facilities.

2.5.3 Staff Availability

Bidder must have Technical Support Staff must be available to provide telephone technical support and schedule field service visits, as required, including after normal working hours, weekends, and holidays. Bidder shall provide the contact information for such personnel.

Substitution or replacement of the Bidder's or approved subcontractor's staff members providing services to the County must be reported to WASD. Substituting or replacement staff member(s) must also meet the minimum qualification stipulated herein prior to commencement of work.

NOTE: Mark up pricing requested for parts, material and equipment upgrades will not be considered in the basis of award. In addition, given the expected usage of the technical support services/ staff, pricing for this position will not be considered for award.

2.6 PRICES

The Bidder's prices shall be inclusive of all costs, delivery, charges, and fees. Additional charges of any kind will not be accepted.

The initial contract prices shall remain fixed and firm for a period of twelve (12) months from the contract's effective date. Thereafter, prices will be adjusted annually, upward or downward, as follows:

The County will adjust the contract prices based on changes in the Consumer Price Index for All Urban Consumers (CPI-U), Series ID: CUURS35BSA0, CUUSS35BSA0, Titled: All items in Miami-Fort Lauderdale-West Palm Beach, FL, all urban consumers, not seasonally adjusted, as published by the U.S. Bureau of Labor Statistics (BLS).

The Base CPI Index for adjustments shall be the Index published by the BLS for the referenced CPI Series in the month and year when the solicitation was opened, and the Base Price shall be the contract's initial price(s). The Base Price and the Base CPI Index shall remain constant throughout the contract term and shall be the basis of all adjustments.

The adjustments will follow the following schedule:

| | | | |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|
| | The period used to calculate the adjustments will begin the month when the solicitation was opened and will include as many months as have been published by the BLS | Adjusted prices will be in effect from the contract's | to the contract's |
| | ↓ | ↓ | ↓ |
| First Adjustment | by the contract's tenth (10 th) month | 13th Month | 24th Month |

| | | | |
|-------------------|-----------------------------------------------------------|------------|------------|
| Second Adjustment | by the contract's twenty-second (22 nd) month | 25th Month | 36th Month |
| Third Adjustment | by the contract's thirty-fourth (34 th) month | 37th Month | 48th Month |
| Fourth Adjustment | by the contract's forty-sixth (46 th) month | 49th Month | 60th Month |

Example (Initial Adjustment):
Solicitation's Opening Date: January 7, 2022

| | | |
|--------------------------------------|--------------------------------------------------|-----------------|
| Initial Contract Price (Base Price): | | \$100.00 |
| | 10 th Month CPI Index (February 2023) | 232.9450 |
| Less: | Base CPI Index (January 2022) | <u>229.8150</u> |
| Equals: | Index Point Change | 3.1300 |
| | Index Point Change | 3.1300 |
| Divided by: | Base CPI Index | 229.8150 |
| Equals: | | 0.01362 |
| Multiplied by 100: | | 1.3620 |
| Equals: | Percent Change | 1.37% |
| Percent Change: | | 1.37% |
| Multiplied by Price: | | \$100.00 |
| Applicable CPI Increase: | | \$1.37 |
| Adjusted Price: | | \$101.37 |

Adjusted prices shall remain firm for at least twelve (12) months.

Should the referenced index be discontinued by the BLS, or should its data be unavailable, the County will use the CPI for All Urban Consumers (CPI-U), Series ID: CUUR0300SA0, CUUS0300SA0, Titled: All items in South urban, all urban consumers, not seasonally adjusted. Price adjustments may also be based on other indexes published by the BLS (CPI or PPI) or other economic factors if these economic indicators are evidently proven to have directly affected the contract prices during the contract period.

The County will notify the Awarded Bidder of upcoming price adjustments and the Awarded Bidder will have fourteen (14) calendar days to reply with any objections and evidence to justify its concerns. The County will review the evidence presented by the Awarded Bidder and will negotiate with the Awarded Bidder to determine the appropriate price adjustment or proceed with the price adjustment as planned. If the County elects to proceed with the adjustment as planned, the Awarded Bidder is not excused from continuing to perform under the Contract. Failure of the Awarded Bidder to perform under these circumstances may result in the Awarded Bidder being deemed in breach of contract and the County terminating its Contract with the Awarded Bidder in accordance with Section 1-General Terms and Conditions, Paragraph 1.26-Termination for Default.

Any price adjustments authorized by the County shall be formalized by a Contract Modification, originated and published by the Strategic Procurement Department, and signed by the Awarded Bidder. Under no circumstances should the Awarded Bidder invoice the County a price that is higher than the price authorized through the contract award or an approved Contract Modification.

2.7 CLEAN UP MUST BE PERFORMED BY BIDDER

All usable surplus materials and debris shall be removed from the work site premises at the end of each day and disposed of in an appropriate manner, as mutually agreed upon by the selected Bidder and the WASD Oxygen Plant Supervisor or designee. Upon completion of the repair, the awarded Bidder shall thoroughly clean up all areas where the repair work has been accomplished and shall restore the work area to a condition equal to or better than pre-repair conditions.

The Oxygen Plant Supervisor or designee shall give written notice to the awarded Bidder if those obligations are not met. In the event the awarded Bidder fails to comply in excess of two (2) working days, excluding County observed holidays, after notice is issued, the Oxygen Plant Supervisor, or designee, may employ such labor and equipment as deemed necessary to remove any unused material and debris and/or restore the work site to the pre-repair condition. The cost of such work together with the cost of supervision shall be charged to the awarded Bidder and be deducted from any money due to the awarded Bidder on the final work order or project specific invoice. No repair job, work order or specific project shall be considered as having been completed until all site cleanup obligations have been met.

2.8 CORRECTIONS IN DEFICIENCIES IN WORK

The awarded Bidder shall promptly correct all deficiencies and/or defects in work and/or any work that fails to conform to the Contract; whether or not fabricated, installed or completed. All corrections shall be made within seven (7) calendar days after such rejected defects, deficiencies, and/or non-conformances are reported to the primary awarded Bidder by the County. The awarded Bidder shall bear all costs of correcting such rejected work. If the awarded Bidder fails to correct the work within the period specified, the County may, at its discretion, notify the awarded Bidder, in writing, that the awarded Bidder is subject to contractual default provisions if the corrections are not completed to the satisfaction of the County within fifteen (15) calendar days of receipt of the notice. If the awarded Bidder fails to correct the work by the date specified in the notice, the County shall place the awarded Bidder in default, obtain the services of the secondary Bidder to correct the deficiencies, and charge the awarded Bidder for the difference in costs; either through a deduction from the final payment owed to the awarded Bidder or through invoicing.

2.9 HOURLY RATE

The hourly rate quoted shall include full compensation for labor, travel time, and any other cost to the awarded Bidder for technical support services. Telephone support services and consultations shall not be charged to WASD unless prior approval by WASD's Oxygen Plant Supervisor or designee is attained by the Bidder. The hourly billing rate offered is assumed to be at straight-time for all labor, except as otherwise noted. The awarded Bidder shall comply with minimum wage standards and any other applicable laws of the State of Florida. This hourly rate does not include any separate equipment purchases that may be required as part of parts, material and equipment upgrades as listed herein.

2.10 OVERTIME

Overtime will be evaluated on a weekly basis and consists of more than forty (40) hours worked per week (will not be evaluated for individual days worked exceeding 8 hours). Overtime services to

support critical plant operations must be approved in advanced by WASD's Oxygen Plant Supervisor or designee. The awarded Bidder will be paid a maximum of 1½ times the value of the contract's regular hourly labor rate for such pre-authorized overtime services.

2.11 INVOICING AND PAYMENTS

In addition to Section 1.34, Invoices, of the General Terms and Conditions, the computations for payment for each requested job hereunder shall be as follows:

2.11.1 Labor Rates shall be billed at the hourly rates offered by the awarded Bidder. Fractions of actual on-the-job site labor hours for hours worked by the Field Service Engineer or technical support staff, shall be rounded up to the closest hour and must be approved by the WASD Oxygen Plant Supervisor, or designee. Actual hours will be the number of labor hours worked times the hourly labor rate per hour. The hourly labor rate per hour will be used for all payment calculations. Emergency/holiday field service visits, as approved by the County, shall be paid at the rates in Section 2.9 entitled "Hourly Rate" or 2.10 entitled "Overtime". No additional allowances will be given for emergency/ holiday services.

2.11.2 Invoices for pricing for parts, material and equipment upgrades will be accompanied by documentation supporting the charges (including freight and handling charges) for verification purposes. This will only apply when requested and approved in writing by the Oxygen Plant Supervisor or designee. Mark up for equipment upgrades, replacement parts, and materials as may be required to be furnished by the Bidder shall not exceed 20% of the awarded Bidder's actual cost.

2.12 INSURANCE REQUIREMENT

Will be sent to Risk Management for proper insurance requirements.

2.13 COMPLIANCE WITH FEDERAL STANDARDS

All items to be purchased under this contract shall be in accordance with all governmental standards including but not limited to American National Standards Institute (ANSI), the American Society for Testing and Materials (ASTM), the Environmental Protection Agency (EPA), the Instrument Society of American (ISA), the International Standards Organization (ISO), the National Fire Protection Association (NFPA), the National Institute of Safety Hazards (NIOSH), the National Sanitation Foundation (NSF), and the Occupational Safety and Health Administration (OSHA).

SECTION 3
SCOPE OF WORK/TECHNICAL SPECIFICATIONS

3.1 SCOPE OF WORK

The scope of work consists of providing technical support including assigning a Field Engineer to assist Water and Sewer Department (WASD) forces in start-up operations, upgrading of existing equipment, maintenance, and emergency repairs of the Cryogenic Oxygen Plants at the WASD Wastewater Treatment Plants in Miami-Dade County, Florida. The work also consists of furnishing all necessary labor, parts, materials and equipment that WASD might need to meet operational requirements for scheduled maintenance and repairs.

WASD operates three (3) treatment plants in Miami-Dade County that process and treat wastewater (a combination of liquid and water-carried wastes from residences, commercial buildings, industrial plants, and institutions together with any groundwater, surface water, and storm water that may be present). Located at these three (3) wastewater treatment plants are nine (9) oxygen plants, which produce oxygen at a high purity level which is used in the wastewater treatment process.

The oxygen is used in the oxygenation reactor tanks to provide for the bacterial respiration requirements so that the process of treating and stabilizing the raw wastewater influent to wastewater treatment areas of a plant can be accomplished, This activity enables a larger volume of wastewater to be processed and disposed of in a shorter period of time than using ambient air, The production of oxygen is therefore critical to the wastewater treatment process and directly affects the associated costs and volume of wastewater processed by the plants.

3.2 TECHNICAL SUPPORT STAFF

The awarded Bidder must be fully capable of providing services to cryogenic oxygen production facilities and must maintain the number of staff with the experience in the three (3) following areas:

- 3.2.1 Support services at plants with a minimum 50-ton/day capacity that have reversing heat exchanger (RHX) based front-end design.
- 3.2.2 Warm plant thaw startup and facility maintenance services including insulation removal and cold end check valve replacement.
- 3.2.3 Installation, programming, troubleshooting and operation of programmable logic control (PLC) systems. This experience is to include GE Fanuc 90-30 CPU's with iFix software communicating via Ethernet IP.

The awarded Bidder's technical support employees must be available to the County after normal working hours, weekends, and holidays to provide telephone technical support and/or schedule field service visits in the event of a County operational emergency at designated plants.

3.3 FIELD ENGINEER

The Field Engineer shall become knowledgeable on the County's facilities and treatment plant operations and will be the day-to-day point of contact. The Field Engineer must be able to shut down and start up Union Carbide cryogenic plants without assistance from the County's personnel.

The awarded Bidder shall employ a competent Field Engineer who shall be in attendance at the project site during the progress of the work. The Field Engineer shall be the primary point of contact and authorize representative able to make decisions on behalf of the awarded Bidder. The Field Engineer shall be considered to be, at all times, an employee of the Bidder under its sole direction and not an employee or agent of Miami-Dade County.

3.4 EQUIPMENT DESCRIPTION AND SITE LOCATION

The locations and description of the sites and equipment are as follows:

3.4.1 North District Wastewater Treatment Plant 2575 NE 151 Street, North Miami Beach, FL 33160

The cryogenic oxygen equipment at the North District Wastewater Treatment Plant consists of: two (2) Union Carbide Model U63 cryogenic oxygen plants with three 1250 HP Joy Compressors, Rotoflow expansion turbines, one 300-ton and one 140-ton liquid oxygen storage tank and vaporizing facility, related process equipment, and electronic instrumentation and controls. In addition, at the North District Oxygen Plant #3, the cryogenic oxygen equipment consists of one (1) Union Carbide Model U100 cryogenic oxygen plant with two (2) Joy Compressors, one (1) 1500 HP and one (1) 1750 HP motor and Rotoflow expansion turbine.

3.4.2 Central District Wastewater Treatment Plant 3989 Rickenbacker Causeway, Virginia Key, Miami, FL 33149

The cryogenic oxygen equipment at the Central District Plant consists of: three Union Carbide Model U80 cryogenic oxygen plants (two on-duty and one stand-by) with three 1500 HP Joy Compressors, Rotoflow expansion turbines, four 71.5-ton liquid oxygen storage and vaporizing facilities, related process equipment, and electronic instrumentation and controls.

3.4.3 South District Wastewater Treatment Plant 8950 SW 232 Street, Goulds, FL 33170

The cryogenic oxygen equipment at the South District Plant consists of: two Union Carbide Model U80 cryogenic oxygen plants with two 1500 HP Centac Compressors, and one Union Carbide Model U100 plant with one 1750 HP Joy Compressor, Rotoflow expansion turbines, Four 71.5-ton liquid oxygen storage tanks and vaporizing facilities, related process equipment, and electronic instrumentation and controls.

3.5 REQUIRED SERVICES

3.5.1 Maintenance and Technical Support:

Under the control and guidance of the Oxygen Plant Supervisor, or designee, the selected Bidder shall consult with and render assistance to WASD on special problems of operations and maintenance which may be encountered from time-to-time. This work shall include, but not be limited to, providing assistance at the job site or by telephone, on equipment or system

operation, personnel training, reviewing maintenance status, troubleshooting problems, overhaul procedures, recommending equipment or system upgrading, review of operating data, parts and maintenance planning and conducting audit of the facilities if requested by WASD. Annual thaws and startups of plants shall be conducted along with 90 day CEGT operating thaws on U100's and annual 5 years LOX Storage Tank Inspections.

3.5.2 Upgrade Equipment, Parts and Materials:

Any upgrade of equipment, parts and materials for the scheduled maintenance and emergency repairs will usually be supplied by WASD. In the event WASD cannot provide the materials, the awarded Bidder may be requested to furnish the items as directed by the Oxygen Plant Supervisor or designee. In these circumstances Project Work Orders would be utilized and issued by the user department as deemed necessary.

3.6 **EMERGENCY SERVICES**

The awarded Bidder shall provide 24 hours, 7 days a week Emergency Service to the County The awarded Bidder must provide contact information for the Field Engineer that will be available to the County after normal working hours, weekends, and holidays to provide telephone technical support and/or schedule field service visits in the event of a County operational emergency at these designated plants.

Emergency service response time shall be within twenty-four (24) hours after notification by the County, unless otherwise mutually agreed in writing.

3.7 **PROJECT WORK ORDER AUTHORIZATION**

WASD's authorized representative shall generate and issue a Work Order for each project to be performed under this Contract. The project work order shall include the location, description and plans, if necessary, covering the scope of work to be completed. The project work order shall include a cost estimate calculated by the County for the work listed on the project work order, based on the contract prices.

For the purposes of identification and payment, the project work orders shall be numbered and dated. The awarded Bidder shall supply WASD's authorized representative with a written price quotation within a timeframe specified by WASD. The awarded Bidder shall start the work within 30 days of notification by the Oxygen Plant Supervisor or designee or as agreed upon and stated in the project work order.

3.7.1 Emergency work may be initiated verbally by the WASD Oxygen Plant Supervisor, or designee, but will be followed up with written requests before any work is performed on plant site.

3.7.2 The Oxygen Plant Supervisor, or designee, shall approve all upgrades, repairs and overhaul work and shall be the final authority for implementing awarded Bidder's recommendations.

3.7.3 The Oxygen Plant Supervisor, or designee, shall in all cases have the final decision on

determining or accepting the amount, quality, fitness of materials or equipment to be provided by awarded Bidder.

WASD shall make a conscientious effort to anticipate the awarded Bidder's work or travel requirements and give the awarded Bidder sufficient notice to schedule and perform approved plant work. However, if an emergency is declared by the WASD, the awarded Bidder shall have Field Service Engineer available at the plant site within twenty-four (24) hours of such notification in accordance with Section 3.6, Emergency Services.

No work shall be performed without authorization issuance of a project work order as approved by the Oxygen Plant Supervisor, or designee. All work shall be performed under complete supervision of the Oxygen Plant Supervisor, or designee.

SECTION 4

BID SUBMITTAL REQUIRED CRITERIA

| | | |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| | TO BE COMPLETED BY ALL BIDDERS | |
| | Refer to Paragraph 2.5 to ensure that Bidder's responses and attachments comply with the Solicitation's requirements. | |
| Paragraph | Bidder Requirements | |
| 2.5.1 and 2.5.3 | Bidder must have a minimum of three (3) individuals with experience to provide technical support services at cryogenic oxygen plants. One (1) of the staff members shall be designated as the Field Engineer (refer to Paragraph 3.3). A minimum of two (2) individuals shall be designated as Technical Support Staff (refer to Paragraph 3.2). Bidders shall provide names and titles of each staff member to the above requirements. | |
| | FIELD ENGINEER | |
| | Name: _____ | Title: _____ |
| | Employer: _____ | Email: _____ |
| | Phone Number: _____ | Emergency Phone Number: _____ |
| | TECHNICAL SUPPORT STAFF | |
| | Name: _____ | Title: _____ |
| | Employer: _____ | Email: _____ |
| | Phone Number: _____ | Emergency Phone Number: _____ |
| | Name: _____ | Title: _____ |
| Employer: _____ | Email: _____ | |
| Phone Number: _____ | Emergency Phone Number: _____ | |

| | | |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| | Name: _____ Title: _____ Employer: _____ Email: _____ Phone Number: _____ Emergency Phone Number: _____ Bidder may attach a separate sheet, should additional space be required | |
| | Experience Requirements | |
| 2.5.2 | Bidder must attach Field Engineer's resume that documents the experience requirements in Section 2.5.2. | |
| | REFERENCES FOR FIELD ENGINEER | |
| | Company Name: _____ Contact Person: _____ Email: _____ Phone: _____ | |
| | Company Name: _____ Contact Person: _____ Email: _____ Phone: _____ | |
| | TECHNICAL SUPPORT STAFF – REQUIRED SUBMITTALS | |
| | Technical Support Staff's resumes that document the experience requirements of Section 2, Paragraph 2.5.2. | |
| | Identify each Technical Support Staff member that has the requisite experience in each area: | |
| | Support services at plants with a minimum 50-ton/day capacity that have reversing heat exchanger (RHX) based front-end design. Experienced Technical Support Staff Name: _____ | |
| | Warm plant thaw startup and facility maintenance services including insulation removal and cold end check valve replacement. Experienced Technical Support Staff Name: _____ | |
| | Installation, programming, troubleshooting and operation of programmable logic control (PLC) systems. This experience is to include GE Fanuc 90-30 CPU's with iFix software communicating via Ethernet IP. Experienced Technical Support Staff Name: _____ | |

PRICE PROPOSAL

| Pricing | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------|---------------------|
| Bidders must provide an hourly billing rate for all items listed below. Low Bidders shall be determined by multiplying the hourly rates offered by the estimated amount of hours per item; then adding all of the extended dollar values into an aggregate total. If a bidder fails to submit an offer on all of the items listed, its overall bid may be rejected. | | | |
| Item No. | Estimated Hours for a 5-year Period | Item Description | Hourly Billing Rate |
| 1 | 5,000 | Field Engineer | \$ _____ |
| 2 | 1,000 | Overtime Rate for Field Engineer | \$ _____ |
| 3 | 5,000 | Technical Support Staff | \$ _____ |
| 4 | 1,000 | Overtime Rate for Technical Support Staff | \$ _____ |

| Provide Pricing for the item listed below. This section will not be considered as a basis of award. | |
|-----------------------------------------------------------------------------------------------------------------|---------|
| Maximum mark-up from Bidder's cost for equipment upgrades, replacement parts, and materials, not to exceed 20%. | _____ % |