



**CITY OF CORONA
DIGESTER GAS FLARE INSTALLATION
NOTICE INVITING BIDS (NIB) 17-027CG
ADDENDUM No. 1**

October 20, 2016

**Administrative Services Department - Purchasing Division
400 S. Vicentia Ave., Ste. 320
Corona, CA 92882**

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Addendum No. 1 to Digester Gas Flare Installation, NIB 17-027CG is issued to clarify sections of the advertised Notice Inviting Bids, respond to “Requests for Information” as submitted by contractors, and provide five additional flare technical specification documents.

By this reference, all provisions and attachments to this Addendum No. 1 are hereby incorporated into NIB 17-027CG. Prospective contractors shall account for all provisions pursuant to this Addendum No. 1 in submitting their bid. Each contractor shall acknowledge receipt of this Addendum No. 1 in their bid in the spaces provided therein.

1. Questions and Answers:

1.01 Question:

“What is the cost estimate for this project? In addition, are there any union requirements?”

Answer:

The City does not publish cost estimates. Bidders are requested to bid to the scope of services, plans and specifications provided in the bid document. There are no union requirements for this bid. The Project is subject to prevailing wage requirements.

1.02 Question:

“With regard to the above subject project, reference Section III Technical Specifications, Scope of work, The contractor is responsible for, bullet No. 7:
“Construct concrete walkway decking around the new flare foundation 40’ x

16'5". Match concrete grade from secondary clarifier walkway." Are you referring to Page 10 of 10 of the Instruction to Bidders? If so, how thick of a walkway are you requiring?"

Answer:

Yes. Minimum 4 inches.

1.03 Question:

"Can you tell me the approximate start of work date for this project?"

Answer:

The tentative start date for this project is November 14, 2016. The City reserves the right to change this date at its sole discretion.

1.04 Question:

"I wanted to check in following the pre-bid meeting that was held yesterday and find out if we could obtain a copy of the sign in sheet. Also, I want to verify that no addenda were issued during the meeting and the bid date is still scheduled for 10/25 at 1PM."

Answer:

The sign-in sheet has been posted to the City's website and is available for download from the Bid Opportunities webpage which can be accessed via the following link: <http://www.ci.corona.ca.us/City-Departments/Finance/Current-Bid-Opportunities.aspx>. This site contains the most up-to-date information regarding City of Corona bids. Any and all addenda relating to this NIB and the bid documents that confirm the bid due date and time are posted on this webpage.

1.05 Question:

"Can you please provide the engineer's estimate for the Digester Gas Flare Installation project at the Water Reclamation Facility #1?"

Answer:

The City does not provide engineer's estimates. Bidders are requested to bid to the scope of services, plans and specifications provided in the bid document.

1.06 Question:

"Are we to include a bid bond for this?"

Answer:

A bid bond is not required for this project.

1.07 Question:

What is the weight of the digester gas flare?

Answer:

Refer to Exhibit 2, Flare System Specifications and Unloading & Assembly Instructions, attached hereto.

1.08 Question:

“Where is the power fed from?”

Answer:

MCC 3. Please refer to Exhibit 3 for further details, attached hereto.

1.09 Question:

“Where is the control fed from?”

Answer:

MCC 3, PLC 600. Please refer to Exhibit 3 for further details, attached hereto.

1.10 Question:

“Where are they located on the plant?”

Answer:

Please refer to Exhibit 3, attached hereto.

1.11 Question:

What is the amperage?

Answer:

70 AMPs

2. City Contract Document Modifications/Clarifications

- 2.01 The Notice Inviting Bids shall be deleted in its entirety and replaced with the “Revised Notice Inviting Bids”, attached hereto as Exhibit 1. Please note the Revised Notice Inviting Bids corrects conflicts with the bid document pertaining to the suite number where bidders are to submit their bids and bonding requirements.
- 2.02 Section II, “Instructions to Bidders” - Page 3 of 13, Subsection G. Bid Withdrawal is hereby deleted in its entirety and replaced with the following:
- Bidders’ authorized representatives may withdraw bids that have been submitted only by written request. Such request must be received by the Purchasing Division before the Bid Submission Date & Time. After that time, Bidders may not withdraw their bids for a period of sixty (60) days from the Bid Submittal Deadline. At no time may the successful Bidder(s) withdraw their bid(s).
- 2.03 Add Exhibit 2 – Flare System Specifications and Unloading & Assembly Instructions in its entirety to Section III. Technical Specifications. (2 Pages)
- 2.04 Add Exhibit 3 – Accessibility to Electrical Components, Flare Main Breaker and Amperage Specifications, and Flare Motor Control Cabinet Specifications in its entirety to Section III. Technical Specifications. (3 Pages)

Thank you,

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Exhibit 1
REVISED NOTICE INVITING BIDS

SUBJECT: NOTICE INVITING BIDS NIB No. 17-027CG

The City of Corona, Purchasing Division ("City") will receive sealed bids for the **Digester Gas Flare Installation - Corona Water Reclamation Facility #1** Project at the office of the **City of Corona, Purchasing Division, 400 S. Vicentia Ave., Suite 320 Corona, CA 92882** no later than **October 25, 2016 at 1:00 p.m.**, at which time or thereafter said bids will be opened and read aloud. Bids received after this time will be returned unopened. Bids shall be valid for 60 calendar days after the bid opening date.

Bids must be submitted on the City's Bid Forms. Bidders may obtain a copy of the Contract Documents by visiting the City's website at <http://www.ci.corona.ca.us/City-Departments/Finance/Current-Bid-Opportunities.aspx>.

A **mandatory** Pre-Bid Conference will be held at **2205 Railroad St. Corona, CA 92880** on the following date(s) and time(s): **October 13, 2016 at 9:00 a.m.** Each and every Bidder **must** attend the Pre-Bid Conference. Prospective bidders **may not** visit the Project Site without making arrangements through the Purchasing Specialist. Bids **will not** be accepted from any bidder who did not attend the Pre-Bid Conference.

Each bid shall be accompanied by the security referred to in the Contract Documents, the non-collusion affidavit, the list of proposed subcontractors, and all additional documentation required by the Instructions to Bidders.

The successful bidder will be required to furnish the City with a Payment (Labor and Materials) Bond equal to 100% of the successful bid, prior to execution of the Contract. All bonds are to be secured from a surety that meets all of the State of California bonding requirements, as defined in Code of Civil Procedure Section 995.120, and is admitted by the State of California.

The Director of Industrial Relations has determined the general prevailing rate of per diem wages in the locality in which this work is to be performed for each craft or type of worker needed to execute the Contract which will be awarded to the successful bidder, copies of which are on file and will be made available to any interested party upon request at Owner's office or online at <http://www.dir.ca.gov/dlsr>. A copy of these rates shall be posted by the successful bidder at the job site. The successful bidder and all subcontractor(s) under him, shall comply with all applicable Labor Code provisions, which include, but are not limited to the payment of not less than the required prevailing rates to all workers employed by them in the execution of the Contract, the employment of apprentices, the hours of labor and the debarment of contractors and subcontractors.

Each bidder shall be a licensed contractor pursuant to the Business and Professions Code and shall be licensed in the following appropriate classification(s) of contractor's license(s), for the work bid upon, and must maintain the license(s) throughout the duration of the Contract: Contractor's State License Board "A" Classification.

Award of Contract: The City shall award the Contract for the Project to the lowest responsive, responsible bidder as determined from the base bid alone by the City. The City reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding process.

For further information, contact Carlos Garcia, Purchasing Specialist, at (951) 279-3567.

Exhibit 2

SYSTEM SPECIFICATIONS

Project Number	1801
GHS Model Number	GHS-111-88
FLR Model Number	FLR-48-20-EP

GHS Specifications

Maximum Inlet Vacuum	0 in w.c.
Maximum Inlet Temperature	100 °F
Maximum Outlet Pressure	3 PSI
Maximum Outlet Temperature	171 °F
Flow Rate	33 SCFM - 111 SCFM

Enclosed Flare Specifications

Heat Rate	0.6 MMBTU/H – 6 MMBTU/H
Flow Rate	33 SCFM – 111 SCFM
Methane Range	60%
NOx	<0.06 lb/MMBtu
CO	<0.15 lb/MMBtu
Outside Diameter	48 Inches
Height	20 Feet

Electrical

Incoming Power Requirements	480 VAC, 3 Phase, 3 Wire, 80 Amps
Logic Controller	CompactLogix
Operator Interface	Phoenix Contact IPC 24" Touchscreen
Communication	Ethernet
Data Recording	Chart Recorder, Touchscreen

Exhibit 2 (Contd.)

UNLOADING AND ASSEMBLY INSTRUCTIONS

The Gas Handling System and Enclosed Flare are shipped separately along with small components. Upon arrival at the jobsite, a crane or other lifting device will be required to unload and place the units.

Approximate weights for major equipment:

Gas Handling System: ~10,000 lbs
Enclosed Flare: ~7,000 lbs

Gas Handling System (GHS)

Four lifting points are provided on the skid framework to facilitate unloading of the Gas Handling System (GHS). Lifting from any other points on the system may cause damage to the system. Spreader bars should be used when lifting to keep from damaging any components, piping, or instrumentation on the GHS. The GHS should be slowly lifted and set on the prepared concrete foundation pad. The GHS mounting feet should be anchored with appropriate, site designed anchor bolts and leveled using shims or grouting. The skid should be level to within 1/8" from foot to foot.

Enclosed Flare

The Flare is shipped in a horizontal position. The two lifting points on the top of the flare and two of the flare feet are used when lifting the flare off the shipping trailer. REMOVE THE PLYWOOD COVER FROM THE TOP OF THE FLARE BEFORE LIFTING TO THE VERTICAL POSITION. Lift the flare to a vertical position using appropriate lifting equipment connected to the same two lifting points on the top of the flare. The flare should be slowly lifted and set on the prepared concrete foundation pad. The flare mounting feet should be anchored with appropriate, site designed anchor bolts and leveled using shims or grouting. The flare should be level to within 1/8" from foot to foot.

Smaller components that ship loose from the skid can now be installed. These include, but are not limited to:

Flame arrester, flex, valves
Interconnection Piping

The landfill gas piping connections and electrical connections can now be made. In addition, the condensate drain must be connected to a proper condensate collection system. The GHS should also be properly grounded.

This is a simple overview of the installation requirements of our equipment and does not include other requirements of the installer to provide a complete installation as required in the specifications.

Exhibit 3

Accessibility for Electrical Components



Flare Main Breaker and Flare Control wires
located downstairs inside MCC 3

Exhibit 3 (Contd.)

Flare Main Breaker and Amperage Specifications



**Flare main breaker
70 AMP breaker
Flare to Main Breaker is Aprox. 190ft**

Exhibit 3 (Contd.)

Flare Motor Control Cabinet Specifications



Flare Control Wires located inside PLC 600 cabinet

Flare to PLC 600 cabinet wire length is Aprox. 250ft

PLC 600