ADDENDUM NO. 9

Date: July 11, 2013

for

Cogeneration and Central Plant Operation, Maintenance and Environmental Compliance Services
Saddleback College - BID # 2009
South Orange County Community College District

General-All project documents including contract documents, drawings, and specifications, shall remain unchanged with the exception of those elements added, revised, deleted, or clarified by this addendum.

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9-1 Questions and Answers

Q1: Re: Bid Documents, Attachment A, Scope of Work, XI. Equipment Capital Improvement and Replacement:

a) Question: Is it the District’s expectation that hydraulic analysis based on field investigation, existing drawings review and the use of packaged software PipeFlo to re-size or confirm the size of the existing pumps for each of the four pump replacement jobs?

Answer: For all pump replacements, the method used to determine the correct pump and/or motor size is the responsibility of the contractor. Pump size must be selected for the prescribed task; all engineering necessary to achieve this requirement will be performed by contractor.

b) Question: Are all piping systems available in CAD drawings?

Answer: No.

c) Question: Regarding Item #11, page 45 of 71, “Replace complete four (4) roof mounted direct expansion evaporative coolers with SS type.”: The existing units are not DX units. Are you requesting Evaporative units?

Answer: Yes, to be provided in stainless steel (SS).

d) Question: Regarding page 44 and 45 of 71:

   i. Regarding the (24) new Thermocouples (Type K):

      Question 1: Are there available spare points within the engines(s) PLC for these (24) new, additional thermocouples (TC)?

      Answer 1: No

      Question 2: If not, does the existing PLC have available, empty I/O slots for the new TC modules?

      Answer 2: No

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ii. Question: Please provide panel drawings for the BOP panel.

   Answer: Drawings are available at the central plant for review

iii. Question: Please provide panel drawings for engine #1 and engine #2.

   Answer: Drawings are available at the central plant for review

iv. Question: Please provide I/O list for the BOP panels and engine #1 and engine #2.

   Answer: Drawings with I/O list are available at the central plant for review

v. Question: Please provide all existing PLC files for the BOP panel and engines #1 and #2.

   Answer: These files are available for review on the PLC computer as long as there is no interruption to normal plant operations

vi. Question: Please provide all existing “InTouch” program files for the HMI.

   Answer: If files exist, they are available for review on the PLC computer as long as there is no interruption to normal plant operations

vii. Question: How many existing (HMI) graphic screens are there for the BOP?

   Answer: Two (2) each, one on each of the engine PLC enclosure doors

viii. Question: Is the owner to provide the T1 line for remote access?
Answer: No, all remote access communication shall be network based

ix. Question: If the new “Waukesha” detonation Monitoring system is to replace an existing system, please provide the electrical drawing for the existing system.

Answer: Detonation Monitoring System has been removed. Original engine files are available for review at the central plant

e) Question: Regarding page 45 of 71 in relationship to CHW Filtration system and pump filter media:

i. Question: Is the existing bypass filter on the chilled water system being replaced or is an additional chilled water filtration system required

Answer: Replace existing

ii. Question: Will a centrifugal particle separation filter assembly with an automatic purge blow down valve be acceptable for filtration of the chilled water closed loop?

Answer: Basis of design is of a sand filter type. Centrifugal is not acceptable.

Q2: Could you provide us with a list of the existing meters and whether they are read manually or via PLC?

A2: List of meters:

- Natural Gas - Five (5) each; one (1) on each boiler and one (1) on each engine. One (1) SDG&E main campus meter. All five (5) of these meters are manually read.
- Hot Water – One (1) BTU meter. This meter is connected to the Computrols EMS, but not the PLC
- Chilled Water – One (1) BTU meter. This meter is connected to the Computrols EMS, but not the PLC
• Potable Water – Two (2) each; One (1) at cooling tower make up line; this meter is connected to the chemical controller. One (1) at the hot water make up line manually read.

• Electric – Five (5) each; Two (2) Schweitzer, one (1) Beckwith, one (1) Main Power House SDG&E meter, one (1) Central Plant SDG&E net meter. All these meters are manually read.