



SUNSHINE COAST REGIONAL DISTRICT

ADDENDUM NO. # 3

Request for Proposal No. 19 384

Sunshine Coast Arena Chiller Replacement & Refrigeration Plant Upgrade

Date: April 1, 2019

This addendum forms part of the contract documents and shall be read, interpreted, and coordinated with all other parts. The costs of all work contained herein shall be included in the tender submission. The following revisions, clarifications, changes, additions, or deletions supersede the information contained in the original documents to the extent referenced and shall become part thereof:

Number of pages including attachments: 4 pages.

Item No.1

Addendum #3

Contains date typo correction for addendum #2, responses to questions received by the Regional District at the site meeting and by email about the scope of work and instructions in the RFP and instructions for sub-contractors site visits.

Item #1

Contains date typo correction for addendum #2 from March 18, 2019 to March 26, 2019.

Item#2

Contains responses to questions received by the Regional District at the site meeting held March 27, 2019 about the scope of work and instructions in the RFP.

Bidders confirmed the following site conditions:

Bidders confirmed the space for new chiller installation.

Bidders confirmed existing relief piping and headers.

Bidders confirmed existing electrical components and field wiring.

The following questions were received at the site meeting and by email:

1) Question: Can the electrician use tek cable instead of conduit when it is practical?

Answer: Yes, if the electrical code allows.

2) Question: Can we use standard ammonia cylinders to transport ammonia for disposal rather than a certified high-pressure receiver?

Answer: Yes, the Contractor shall follow any related regulations to remove, transport, and dispose the existing ammonia charge.

3) Question: We expect to vent some ammonia vapour in the deconstruction process. Ammonia would be vented using standard acceptable procedures at a rate no stronger than would be typically expected when draining an oil pot. Is this acceptable?

Answer: Yes, the Contractor shall follow SCA's approved SOP.

4) Question: Will alarm system wiring be by others as in previous contracts?

Answer: Yes. Refrigeration contractor should provide alarm output contacts for the alarm company to connect to.

5) Question: Please explain the additional start-up brine filter requirement.

Answer: This would be a bypass larger than typical filter set-up or a finer particle mesh filter in the strainer screen in the brine line or a combination of both. These would be cleaned or replaced periodically during the 3 day start up period then removed from the system.

6) Question: How should the pressure relief valve on the brine line be installed?

Answer: A pressure relief valve similar to one used on a hot water tank with 35 psig setup should be installed on the brine line with the outlet piped back to the make up tank.

7) Question: How thick should the compressor housekeeping pad be?

Answer: 6 inches with rebar reinforcement. The new housekeeping concrete pad shall be tied into the existing floor by drilling and installing rebar into the existing floor. Structural design or review is required.

8) Question: What is an ammonia test report?

Answer: A certificate of quality for the new ammonia from the manufacturer.

9) Question: The drawing shows an oil pot with drain plus an oil drain off the chiller. Are both required?

Answer: Please install a N.C. valve at the top of the chiller internal oil pot for future service. Please install oil drain valves (isolating valve and deadman valve) on the external oil pot.

10) Question: Can we construct the level column from 3-inch pipe rather than 4 inch?

Answer: Yes.

11) Question: Can HT Industrial be approved as the High-Pressure Receiver Vessel Supplier?

Answer: Yes.

12) Question: May we use butt weld connections for valves over 2”?

Answer: Yes.

13) Question: Can we approve Watson McDaniels liquid drainers? (oil return floats)

Answer: Yes

14) Question: May the Strainer for the 6-inch brine line be an Armstrong suction guide type installed on the suction or discharge side of the brine pump?

Answer: Check with the manufacturer.

15) Question: Is Epoxy paint necessary? Can we use the same paint we used on the condenser piping?

Answer: You may use the same paint as the condenser piping.

16) Question: Should the chiller stand be structurally Engineered?

Answer: Yes

17) Question: Should excess brine from the old chiller be disposed of or stored on site?

Answer: A small amount up to 10 gallons could be kept on site in 5 gallon containers but dispose of the rest.

18) Question: What can we consider substantial completion?

Answer: Once TSBC inspector has provided written approval to operate the system and the system is running and the slab is down to temperature. Written approval may be provided by email from TSBC. We will press TSBC to come to site prior to start-up for a final inspection.

19) Question: Will we pour concrete pads on top of the existing compressor skid to provide a more level surface to mount the equipment?

Answer: Possibly, if height clearances will allow.

20) Question: Can the SCRDR provide staff to monitor the compressor room overnight during the 3-day start-up period (12 hrs)?

Answer: Yes.

21) Question: Can we be given keys, alarm codes, and work alone monitoring for all hours access to the site to complete the work?

Answer: Yes, once the ammonia is removed and providing work safe regulations are followed with lone worker monitoring in place.

22) Question: I have noticed than schedule D is missing from the document. Can you please provide me with this?

Answer: Schedule D as referenced in Section 8.4 Attachments has not been included with the document and will not be required.

23) Question: Also, are bonds calculated on the job total before or after GST?

Answer: Bonds are calculated before GST.

Item # 3

Sub contractors that require viewing of the site for purpose of reviewing to confirm conditions and the subcontracted work, may submit a request to purchasing@scrd.ca . All requests must be from contractors that attended the mandatory site meeting, and will be at the discretion of the Regional District.

Addendum No. # 3 is issued prior to receipt of submission and shall form part of the contract documents. The revisions shall clarify the information contained in the original Proposal documents issued on March 15, 2019.

If you have any questions regarding the above, please contact the undersigned.

Gordon Rischanek - Purchasing Officer
Sunshine Coast Regional District