



TENDER AMENDMENT

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The referenced document is hereby amended: unless otherwise indicated, all other terms and conditions of the contract remain the same.

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| Title: Operations Compound Roofing and HVAC Rehabilitation, Banff National Park | | |
| Solicitation No.: / N° de l'invitation : 5P420-17-5026/A | Amendment No.: / N° de modification de l'invitation : 002 | Date: April 28, 2017 Date : 28 avril 2017 |
| GETS Reference No.: / N° de référence de SEAG : PW-17-00774622 | | |
| Solicitation Closes: / L'invitation prend fin : | | |
| At: 02:00 PM | On: May 2, 2017 | Time Zone: Mountain Daylight Time (MDT) |
| À : 14h00 | Le : 2 mai 2017 | Fuseau horaire : Heure avancée des Rocheuses (HAR) |
| Address Inquiries to: / Adresser toute demande de renseignements à : Nicole Levesque-Welch | | |
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AMENDMENT 002

This amendment is being raised to make an administrative correction to Amendment 001 and respond to questions submitted in response to solicitation 5P420-17-5026/A:

A. AMENDMENT 001 CORRECTION

The title of article B of amendment 001 should state MANDATORY SITE VISIT ATTENDANCE.

B. QUESTIONS AND ANSWERS

- Q1. On drawings M300 & M301.1 it shows all zone valves to be replaced, as the system is very old I would strongly recommend to replace the isolation valves that isolate those zone valves. Is this something you want to do?
- A1. Refer to attached section 23 73 10, Air Handling – Built-Up.
- Q2. Are there new offices being built in the Trades Compound Building M301.2, I see a lot of new piping running into these areas Between grid lines D – L, where there be new fin and Cabinet heaters going into these areas?
- A2. No, there will not be any new fin or cabinet heaters in these areas.
- Q3. Are we to allow for a complete set of O&M Manuals for this project?
- A3. Yes, see specifications section 01 91 31 item 1.10.
- Q4. Are we to allow time for training your maintenance staff on the operation and servicing of this new boiler install?
- A4. Yes, as per specifications, section 01 91 13, there will be training sessions to all operational and maintenance staffs.
- Q5. After the new install of Boilers system is complete and all new piping is in we are going to need to flush the existing system with chemical and drain, are all parties aware of this 2 day flushing?
- A5. Yes, as is specified in the pre-functional checks – B-1- Boiler section- provided by RSR, hydronic system flushing to be completed and strainers to be cleaned.
- Q6. Are either of the Hot water tanks in either of the Mechanical rooms getting replaced?
- A6. No, hot water tanks are not being replaced.
- Q7. Are we to allow for extra materials for your maintenance staff for their stock to perform repairs as stated in the spec?
- A7. Yes, as per section 01 78 00 item 1.9 provide maintenance and extra materials, in quantities specified in individual specification sections.
- Q8. Are you aware that there is probable going to be Asbestos gaskets in the sections of the old boiler we are removing, who will be responsible for the remediation of this Asbestos?
- A8. GC will be responsible for Abatement. Please refer to Appendix A - specification section 02 82 13 Asbestos and Lead Paint Abatement.
- Q9. Is there new Led Flashings required by Mechanical scope for the new Roof Drains? Or will the roofing company be supplying these flashings?
- A9. Yes, new lead flashing is required. This will be as part of the Mechanical scope.



Q10. In the small Mechanical room where we are just removing the boilers and pumps, are we to remove as much unneeded piping as possible in the mechanical room and hallways or are we to just leave it hanging and abandon it and just leave it hanging?

A10. Remove unneeded piping as much as possible.

Q11. What will be the schedule for running over 700ft of new 3" heating supply and return lines around your personal that will be trying to work? Do we need to add overtime for night work or can we just work during regular business hours?

A11. Based on section 01 11 00, 1.7, 1.8 and 1.9 the construction work will be done in stages and will be scheduled with Departmental Representatives to allow continued use of premises during construction.

PCA allows work in the evenings and overnight, with the qualifier that the building does have 24hr operations in some departments. Generally, two weeks advance notice of all work must be coordinated with PCA. Furthermore, all work hours must be coordinated with and approved by the building operations staff and building staff for coordination and to allow time for PCA to provide security for any off hours work.

Note that GC will be responsible for any required temporary relocation of office furniture to allow for completion of their work.

Q12. Drawing M301.2 shows a lot of piping 3", 2" 1" & 3/4" is this existing or purposed new piping?

A12. Extent of new piping is as shown on the drawings.

Q13. Does section 07 52 00 - 2.5.4 refer to an average or a minimum value?

A13. This value is a minimum.

Q14. Who is responsible for hazardous materials abatement and monitoring them? Is there any requirement in the specs for the GC to provide their own monitoring during abatement?

A14. GC will be responsible for hazardous material abatement. PCA will engage Associated Engineering to monitor abatement. Please refer to Appendix A - specification section 02 82 13 Asbestos and Lead Paint Abatement and Hazardous Materials Survey - Final Report (page 662 – specification book).

Q15. The boiler packages come with a lead lag panel, these panels allow these boilers to ware evenly and are strongly recommended but come at a cost, are we to include this panel or give a breakout price for it?

A15. Provide boiler controller (to include lead/lag functionality) and BACnet gateway; refer to drawings M801 in the boiler schedule.

C. SPECIFICATIONS

1. Spec Table Of Contents Clarification

Refer to Appendix A for the following documents:

- Roof Condition Report
- Structural Details
- Final Hazardous Materials Survey (c/w survey appendices A-D)
- Section 02 82 13 Asbestos and Lead Paint Abatement
- BNP - Environmental Best Management Practices

2. Add section 23 73 10, Air Handling – Built-Up. See DSP 3 folder for the document.



D. DRAWINGS

1. Refer to drawings M300, M301.1, and M301.2. Provide a breakout price for the following scope:
At each new hydronic control valve indicated, provide new isolation and balancing valves to replace existing.
2. In Air Handling Unit / Makeup Air Unit / Rooftop Unit Schedule on drawing M800, for outdoor roof-mounted units, revise roof curb heights in "Remarks" column to be min. 450 mm high.

All other terms and conditions remain the same.