**Solicitation/Contract/Order for Commercial Item**

**1. Request Number:**
REQ-4200-10-0039

**2. Contract No.:**
CPSC-D-10-0011

**3. Award Effective Date:**
09/30/2010

**4. Order Number:**
000001

**5. Solicitation Number:**

**6. Solicitation Issue Date:**

**7. For Solicitation Information Call:**

**8. Name:**
Peter Nerret

**9. Telephone Number:**
301-504-7033

**10. Issued By:**
CONSUMER PRODUCT SAFETY COMMISSION
DIV OF PROCUREMENT SERVICES
4330 EAST WEST HWY
ROOM 517
BETHESDA MD 20814

**11. Delivery for FOB Destination:**

**12. Discount Terms:**
Net 30

**13. Administration By:**
CONSUMER PRODUCT SAFETY COMMISSION
DIRECTORATE FOR LABORATORY SCIENCES
10901 DARNESTOWN ROAD
GAITHERSBURG MD 20878

**14. Contractor:**
ARCADIS US INC
630 PLAZA DRIVE
SUITE 100
HIGHLANDS RANCH CO 80129

**15. Telephone No.:**

**16. Schedule of Supplies/Services:**

<table>
<thead>
<tr>
<th>ITEM No</th>
<th>DUNS Number</th>
<th>Contracting services for Expert Engineering Service for Constant Volume Sampling Design under CPSC-D-10-0039. This is Delivery Order #0001 for:</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001A</td>
<td></td>
<td>CLIN# 0001A (Task a.);</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>0001B</td>
<td></td>
<td>CLIN# 0001B (Task b.);</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>0001C</td>
<td></td>
<td>CLIN# 0001C (Task c.);</td>
<td></td>
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<td></td>
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</tbody>
</table>

**17. Accounting and Appropriation Data:**

<table>
<thead>
<tr>
<th>ITEM No</th>
<th>SCHEDULE OF SUPPLIES/SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>0100A10DFS-2010-2401300000-EXHR004200-311BO</td>
<td>$81,225.00</td>
</tr>
</tbody>
</table>

**20. Total Award Amount (For Govt. Use Only):**

**21. Solicitation Incorporates by Reference FAR 52.212-1, 52.212-4, 52.212-20, and 52.212-3 and 52.212-5 are Attached.**

**22. Contract/Purchase Order Incorporates by Reference FAR 52.212-1, 52.212-4, 52.212-20, and 52.212-5 is Attached.**

**23. Contractor is Required to Sign This Document and Return Copies to Issuing Office. Contractor agrees to furnish and deliver all items set forth or otherwise identified and on any additional sheets subject to the terms and conditions specified herein.**

**24. Signature of Offeror/Contractor:**

**25. Name and Title of Signer (Type or Print):**
Robert J. Prost

**26. Date Signed:**
09/30/2010
This contract Delivery Order is awarded against GSA Contract GS-23F-0339K.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>Task a. - Constant Volume Sampling Design</td>
<td>1</td>
<td>LO</td>
<td>17,139.00</td>
<td>17,139.00</td>
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<td></td>
<td>The contractor shall perform in accordance with</td>
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<tr>
<td></td>
<td>the attached statement of work.</td>
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<tr>
<td>0002</td>
<td>Task b. - Constant Volume Sampling Design</td>
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<td>LO</td>
<td>22,376.00</td>
<td>22,376.00</td>
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<td>The contractor shall perform in accordance with</td>
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<td></td>
<td>the attached statement of work.</td>
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<tr>
<td>0003</td>
<td>Task c. - Constant Volume Sampling Design</td>
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<td>LO</td>
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<tr>
<td></td>
<td>the attached statement of work.</td>
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</table>

The contractor will invoice subject to the review and approval of the CPSC Project Officer upon completion of each Task a. b. & c.

The total amount of award: $81,225.00. The obligation for this award is shown in box 26.
A. Statement of Work

1. Independently, and not as an agent of the Government, the Contractor shall furnish all necessary personnel, materials, services, and facilities to perform the work as set forth in tasks when awarded; except as provided in Section H, "Government Furnished Materials."

Task a.
The Contractor shall meet with CPSC staff to discuss the system and testing requirements and outline the scope of tasks to be performed. A resource assessment in advance of the detailed equipment specification list shall be required if the CVS system is considered a turnkey system. The Contractor shall supply CPSC staff with a written preliminary estimate of the turnkey installation including the time, cost and man-hours, to install a system meeting the needs and capabilities as defined in the Background Section 3, above. The Contractor shall demonstrate that the proposed system is compatible with the intentions and scope of CPSC tests for the CVS system. The Contractor shall demonstrate that the proposed and designed system is compatible with other test systems for combustion testing at the CPSC combustion lab. 
Timeline: Completion within 4 weeks after Receipt of Order.

Task b.
The Contractor shall present a fully detailed project plan including the overall design and equipment specification list for a CVS system that best meets the needs and capabilities presented by CPSC staff. The design and equipment list should include all hardware and instrumentation to build, obtain emission data, calibrate, maintain and operate the system. CPSC equipment that is compliant with the standard shall be considered in the design and shall be included in the design at CPSC's request. The CVS design should be consistent with analytical specifications of EPA's Title 40 Part 1065, where applicable. The equipment list must include parts required and all other resources needed to build, install and verify the CVS system. The contractor shall identify vendors for the specified equipment. A refined reasonably accurate resource estimate of labor hours shall be included. The Contractor shall demonstrate that the proposed system is compatible with the intentions and scope of CPSC tests for the CVS system. The Contractor shall demonstrate that the proposed and designed system is compatible with other test systems for combustion testing at the CPSC combustion lab. 
Timeline: Completion within 4 weeks after completion of Task a.

Task c.
The Contractor shall present at least two alternatives to the original design(s) and equipment specification list (Tasks a and b) that offer several designs that tradeoff between cost and performance. At least one
of the presentations shall involve a design that is not a turnkey system, and involves acquisition of individual parts. Each design shall use alternatives manufactures for the major components of the system, where practical. The suggested alternatives shall be presented in a draft report to CPSC staff for review. CPSC staff will have the option of requesting alternate vendor's parts be used in the designs. After CPSC staff review, the final design shall be specified in a letter report within two weeks of the receipt of the CPSC staff comments on the draft recommendations that shall include the design and equipment list all hardware and instrumentation to build, obtain emission data, calibrate, maintain and operate the system. CPSC equipment that is compliant with the standard shall be considered in the design(s) and shall be included in the design at CPSC's request. The Contractor shall demonstrate that the proposed system is compatible with the intentions and scope of CPSC tests for the CVS system. The Contractor shall demonstrate that the proposed and designed system is compatible with other test systems for combustion testing at the CPSC combustion lab.

**Timeline:** Draft Report completion within 3 weeks after completion of Task b. Final Report completion within 2 weeks after return of CPSC comments on draft report.