

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1 3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

BPA NO.

1. DATE OF ORDER 9/10/2009		2. CONTRACT NO. (If any) NRC-42-07-036		6. SHIP TO:	
3. ORDER NO. 0078		MODIFICATION NO.		a. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission	
5. ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Jeffrey R. Mitchell, 301-492-3639 Mail Stop T-7-I-2 Washington, DC 20555		4. REQUISITION/REFERENCE NO. 42-07-036T078 09703678160		b. STREET ADDRESS Attn: Min Lee Mail Stop: T9-F29	
7. TO:		c. CITY Washington		d. STATE DC	e. ZIP CODE 20555
a. NAME OF CONTRACTOR INFORMATION SYSTEMS LABORATORIES, INC ISL		f. SHIP VIA		8. TYPE OF ORDER	
b. COMPANY NAME ATTN: DR. JAMES F. MEYER		<input type="checkbox"/> a. PURCHASE		<input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 11140 ROCKVILLE PIKE, SUITE 500		REFERENCE YOUR Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.		Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY ROCKVILLE	e. STATE MD	f. ZIP CODE 20852			
9. ACCOUNTING AND APPROPRIATION DATA B&R:925-15-171-103; JC:Q4160; BOC 252A; 31X0200.925 Obligate: \$75,000.00 Contractor DUNS: 107928806		10. REQUISITIONING OFFICE NRO			
11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT Destination	
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. EMERGING SMALL BUSINESS <input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
a. INSPECTION		b. ACCEPTANCE		16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Issuance of Task Order No.78 under Contract No. NRC-42-07-036 Title: "Technical Assistance for the Review of AP 1000 Shield Building Related to Concrete Filled Steel Plates Modules" Period of Performance: August 26, 2009 - October 15, 2010 Estimated Reimbursable Cost: \$108,093 Fixed Fee: \$5,079.00 Total Cost Plus Fixed Fee: \$113,171.00 Funds in the amount of \$75,000.00 is provided. See Continuation Pages					

18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.	
21. MAIL INVOICE TO:					
a. NAME Department of Interior / NBC NRCPayments@nbc.gov					
b. STREET ADDRESS (or P.O. Box) Attn: Fiscal Services Branch - D2770 7301 W. Mansfield Avenue					
c. CITY Denver		d. STATE CO	e. ZIP CODE 80235		
22. UNITED STATES OF AMERICA By (Signature) 				23. NAME (Typed) Jeffrey R. Mitchell Contracting Officer TITLE: CONTRACTING/ORDERING OFFICER	

17(h)
TOTAL
(Cont.
pages)

17(i)
GRAND
TOTAL

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NO.

TEMPLATE ADMIN

SUNSI REVIEW COMPLETE

SEP 24 2009

OPTIONAL FORM 347 (REV 4/2006)
PRESCRIBED BY 41 CFR 53.213(f)

ADMIN002


TASK ORDER TERMS AND CONDITIONS

NOT SPECIFIED IN THE CONTRACT

A.1 2052.216-71 INDIRECT COST RATES (JAN 1993)

(a) Pending the establishment of final indirect rates which must be negotiated based on audit of actual costs, the contractor shall be reimbursed for allowable indirect costs as follows:

APPLIES ONLY TO TASK ORDER NO. 78, UNDER NRC-42-07-036

INDIRECT COST POOL	RATE	BASE	PERIOD
Fringe Benefits		Direct Labor	Task Order 78 Period of Performance
Overhead		Direct Labor	Task Order 78 Period of Performance
G&A		Total Value Added Cost Input	Task Order 78 Period of Performance
Material Handling		Materials and Subcontractor Costs	Task Order 78 Period of Performance

(b) The contracting officer may adjust these rates as appropriate during the term of the contract upon acceptance of any revisions proposed by the contractor. It is the contractor's responsibility to notify the contracting officer in accordance with FAR 52.232-20, Limitation of Cost, or FAR 52.232-22, Limitation of Funds, as applicable, if these changes affect performance of work within the established cost or funding limitations.

This confirms the verbal authorization that was provided to Information Systems laboratories, Inc., on August 26, 2009, to begin work under the subject task order, with a temporary ceiling of \$75,000.00.

In accordance with Section G.4, Task Order Procedures, of Contract No. NRC-42-07-036, this definitizes Task Order No. 78. The effort shall be performed in accordance with the attached Statement of Work.

Task Order No. 78 shall be in effect from August 26, 2009 through October 15, 2010, with a cost ceiling of \$113,171.00. The amount of \$108,093.00 represents the estimated reimbursable costs, and the amount of \$5,079.00 represents the fixed fee.

The amount obligated by the Government with respect to this task order is \$75,000.00, of which \$71,635.00 represents the estimated reimbursable costs, and the amount of \$3,365.00 represents the fixed fee.

The issuance of this task order does not amend any terms or conditions of the subject contract.

Your contacts during the course of this task order are:

Technical Matter: Min Lee
Project Officer
301-415-0502

Contractual Matters: Jeffrey R. Mitchell
Contract Specialist
301-492-3639

Acceptance of Task Order No. 78 should be made by having an official, authorized to bind your organization, execute three copies of this document in the space provided and return two copies to the Contract Specialist at the address identified in Block No. 5 of the OF 347. You should retain the third copy for your records.

ACCEPTANCE:


NAME

V.P.
TITLE

9/16/09
DATE

TASK ORDER STATEMENT OF WORK

JCN Q-4160	Contractor Information Systems Laboratories (ISL)	Task Order No. 78 NRC-42-07-036 Task Order 78
Applicant Westinghouse Electric Co.	Design/Site AP1000/NA	Docket No. 5200006
Title/Description Technical Assistance for the Review of AP 1000 Shield Building Related to Concrete Filled Steel Plates Modules		
TAC No. RX0 (TBD)	B&R Number 925-15-171-103	SRP or ESRP Section(s) 3.8.4
NRC Task Order Project Officer (PO)		
Min Lee	301-415-0502	Min.Lee@nrc.gov
NRC Technical Monitor (TM)		
John Ma	301-415-2732	John.Ma@nrc.gov

1.0 BACKGROUND

The US Nuclear Regulatory Commission (NRC) has a need to obtain technical assistance for the review of tests to be performed for concrete filled steel panels that will be used at a nuclear power plant. The scope of work for providing this technical assistance is given below.

2.0 OBJECTIVE

The contractor shall provide technical assistance to the NRC in the review of the AP1000 shield building, including test plans and test results of concrete filled steel panels (SC wall modules) and anchorages that will be used at US nuclear power plants. The contractor shall be very experienced in the testing of concrete panels subjected to various loadings. The contractor shall perform the tasks identified in Section 3.0.

3.0 WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

Tasks/Standards	Scheduled Completion	Deliverables
<p>1. REQUIREMENT: Meet with the NRC staff representative to discuss the test plan that is being proposed by an applicant for the design certification of an advanced reactor. This meeting will occur at the contractor's office. During this meeting, the contractor shall review the Westinghouse test plan and provide comments and recommendations to ensure that the test plan is technically acceptable. It is envisioned that the tests would subject the test panels to in-plane shear and membrane forces in both meridional and hoop directions, simulating the cylindrical shield building wall which will be subjected to earthquake loadings. The test plan also includes out-of-plane shear, and anchorages. The review of the test plan would include ensuring that the test specimens selected, type of testing, number of tests, test fixture, monitoring of test parameters, etc, are adequate to obtain sufficient data which would be used to confirm the design approach being used for these panels.</p> <p>STANDARD: Participate in a two day meeting for two people at the contractor's facility</p>	<p>* Two weeks after authorization of work</p>	<p>N/A</p>
<p>2. REQUIREMENT: Participate in telephone conference calls with the NRC and the applicant to discuss details of the test plan and to discuss the test results.</p> <p>STANDARD: Participate in 5 conference calls for approximately 1-1/2 hours each for one person.</p>	<p>*Four (4) months after authorization of work</p>	<p>N/A</p>
<p>3. REQUIREMENT: Participate in public meetings and audits with the NRC staff where discussions will be held regarding the testing and evaluation of the results.</p> <p>STANDARD: Attend 5 one-day public meetings</p>	<p>*Three (3) months after completion of applicant's tests</p>	<p>N/A</p>

Tasks/Standards	Scheduled Completion	Deliverables
for one person at the NRC headquarters.		
<p>4. REQUIREMENT: Review the applicant's test report including the test data for adequacy and will prepare a technical evaluation report (TER) summarizing the results of the contractor's review.</p> <p>STANDARD: Submission of TER</p>	Four (4) weeks after receipt of test report	Technical evaluation report (TER)
<p>5. REQUIREMENT: Respond to staff technical questions relating to the shield building design.</p> <p>STANDARD: On a bi-weekly basis, participate in brief (~1 hour duration) telephone conversations with the staff to discuss specific shield building topics.</p>	*Twelve (12) months after authorization of work	N/A

* These Work Schedules are subject to change by the NRC Contracting Officer (CO) to support the needs of the NRC Licensing Program Plan.

The Technical Monitor may issue technical instruction from time to time throughout the duration of this task order. Technical instructions must be within the general statement of work delineated in the task order and shall not constitute new assignments of work or changes of such a nature as to justify an adjustment in cost or period of performance. The contractor shall refer to Section G.1 of the base contract for further information and guidance on any technical directions issued under this task order.

Any modifications to the scope of work, cost or period of performance of this task order must be issued by the CO and will be coordinated with the NRO Project Officer.

4.0 TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

As specified in the base contract, the contractor shall provide individuals who have the required educational background and work experience to meet the objectives of the work specified in this task order. Specific qualifications for this effort include:

Knowledge and experience in testing of concrete panels subjected to various loadings.

The contractor shall provide a contractor project manager (PM) to oversee the effort and ensure the timely submittal of quality deliverables so that all information is accurate and complete as defined in the base contract.

The NRC will rely on representations made by the contractor concerning the qualifications of the personnel assigned to this task order, including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful. The resume for each professional proposed to work under this task order (contractor, subcontractor, or consultant) shall describe the individual's experience in applying his or her area of engineering specialization to work in the proposed area. The use of particular personnel on this contract is subject to the NRC technical monitor's (TM's) approval. This includes any proposed changes to key personnel during the life of the task order.

5.0 REPORTING REQUIREMENTS

Task Order Progress Report

The contractor shall provide a bi-weekly progress report summarizing accomplishments, expenditures, contractor staff hours expended, percent completed for each task under this task order, and any problems encountered by the contractor. The report shall be sent via e-mail to the NRC TM, Task Order Project Officer (PO) and CO.

Please refer to Section F of the basic contract award document for contract reporting requirements.

Technical reporting requirements

Unless otherwise specified above, the contractor shall provide all deliverables as draft products. The NRC TM will review all draft deliverables (and coordinate any internal NRC staff review, if needed) and provide comments back to the contractor. The contractor shall revise the draft deliverable based on the comments provided by the TM, and then deliver the final version of the deliverable. When mutually agreed upon between the contractor and the TM, the contractor may submit preliminary or partial drafts to help gauge the contractor's understanding of the particular work requirement.

The contractor shall provide the following deliverables in hard copy and electronic formats. The electronic format shall be provided in MS Word or other word processing software approved by the TM. For each deliverable, the contractor shall provide one hard copy and electronic copy to both the PM and the TM. The schedule for deliverables shall be contained in the approved project plan for the task order effort.

In all correspondence, include identifying information: JCN No.: Q4160; Technical Assignment Control No. (TAC), if applicable, TBD Task Order No.: 78; the licensee: Westinghouse Electric Co.; and, the site: N/A.

6.0 MEETINGS AND TRAVEL

Kick-off meeting to be conducted via telephone.

Five One 1-person, 2-day working meeting at NRC headquarters to participate in public meetings.

*At the discretion of the NRC TM, meeting may be conducted via telephone or video conference.

7.0 NRC FURNISHED MATERIAL

The following NRC furnished materials will be provided to the contractor together with SOW:

- a. CD-ROM containing relevant model input data

8.0 PERIOD OF PERFORMANCE

The period of performance is from August 26, 2009 through October 15, 2010.

9.0. OTHER APPLICABLE INFORMATION

- a. License Fee Recovery

All work under this task order is fee recoverable and must be charged to the appropriate TAC number(s).

- b. Assumptions and Understandings:

It is assumed that the contractor has access to the NRC furnished material available on the Internet.

It is understood that the scope of the review consists of conference calls with the NRC staff, and with the NRC staff and the applicant, to discuss open items in an attempt to obtain additional information or reach resolution.

During the course of the review, the Technical Monitor, and possibly other NRC personnel, may travel to the contractor site to discuss the status of the review and participate in the resolution of open items. It is assumed that the level of effort covers such a meeting.

The primary deliverable, or output of this regulatory review, shall be the Technical Evaluation Report (TER). The TER will serve as input to the NRC staff's Safety Evaluation Report (SER) which will document the NRC's technical, safety, and legal basis for approving the COL application. The TER must provide sufficient information to adequately explain the NRC staff's rationale for why there is *reasonable assurance* that public health and safety is protected.