Section B - Supplies or Services and Prices

ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 0001 1 Lump Sum $6,161.00 $6,161.00   McNary ITB and GDACS Reconfiguration

FFP

per the Statement of Work.

PURCHASE REQUEST NUMBER: W66QKZ-5105-3988

        NET AMT $6,161.00   ACRN AA Funded Amount $6,161.00

FOB: Destination Section C - Descriptions and Specifications

SOW

Progress payments are 95 percent of the value of services shown in the monthly invoice upon approval of the Contracting Officer or his appointed representative.

REVISED DETAILED STATEMENT OF WORK

GDACS Reconfigurization to Facilitate Index Test Box

Site Testing at McNary Project

1. BACKGROUND.

    a. The Government has contracted out to develop and test a turbine index test device. This device is to be tested at the McNary Project. In order to test the device, the Project's GDACS must be reconfigured. This Task Order addresses the reconfiguring of the GDACS.

    b. The Index Test Box (ITB) will communicate with the SoftPLC through the Ethernet interface using an OPC interface.

2. SERVICES TO BE PROVIDED. The Contractor shall perform the following services:

a. Coordination. The Contractor shall coordinate with Mr. Ed Miska, CENWP-HDC, (503) 808-4294 and Mr. Doug Albright, Actuation Test Equipment Company, (815) 335-1143, to set up communications between the ITB and McNary Unit 5 SoftPLC.

b. Software Programming. The Contractor shall perform Software Programming to enable the following:

(1) Control parameters to be sent from ITB: Blade perturbation amounts up to +_ 2 degrees, and a perturbation "on" flag. The initial expectation is that the cam software will accept a value that biases the blades within a specific amount set by the ITB. A "bias" amount is used to

minimize impact to unit MW controls. The unit may still be on automatic control. The form and scale of the bias amount is to be worked out to operate well in both the ITB and the SoftPLC.

(2) Add quality checks and limits on the perturbation setting from the ITB. Set an error flag if not within an acceptable range and do not perform control until a valid setting value is received. Also, use the perturbation value only when the perturbation "on" flag is set by the ITB.

   c. Parameters. Parameters that shall be available to the index test box include the following: MW, Gate positions, Blade Position, forebay and tailwater levels or head as used by the cam program, Winter Kennedy pressure reading (if available), status flags, blade position setting calculated from existing tables and the variables used to perform the calculation, perturbation setting value in use.

(1) Modify SoftPLC program to include a watchdog timeout feature.

 (2) If the ITB fails to communicate for more than ten seconds any perturbation setting shall be ended and control returned to normal. If the ITB again communicates properly for ten seconds or more re-enable the ITB perturbation setting.

   d. INFOSEC Briefing. As part of the Army Information Systems security requirements, the Contractor shall ensure that whoever comes to a project has had the INFOSEC briefing within the last year and that any computer connected to Government equipment have appropriate current anti-virus protection. The INFOSEC training is an online course, and the link to the "Federal Information Systems Security Awareness" is ⬛ HYPERLINK "http://niatec.info/FISSA/" ⬛⬛http://niatec.info/FISSA/⬛.

   e. Consultation Services. The Contractor shall provide consulting and problem solving on call at an hourly rate for 20 days after Government site acceptance. This task order shall contain five (5) optional (funded) craft hours. The Contractor shall not utilize these craft hours without prior written authorization from the Contracting Officer's Representative.

3. DELIVERABLES.

   a. Provide documentation of the new software functions and external interface, within the SoftPLC and as consistent with GDACS documentation to the GDACS Maintenance Team (GMT) at HDC Offices, Portland, OR.

   b. Provide, at HDC Offices, Portland, OR, software revisions to the GMT for review/testing and store on source safe.

   c. Produce a PLC flash disk version that will be installed at the McNary Project. A copy shall be provided to the GMT at HDC Offices, Portland, OR.

d. Be present at McNary for the initial stages of the testing for two days and one night to support the project in any means necessary.

    e. Supply up to eight hours of support to assist Doug Albright in communicating and reading and writing data values to the SoftPLC from an ITB program via OPC.

4. GOVERNMENT SUPPORT. The work shall proceed under the direction of a Government representative.   Ongoing design questions or issues shall be resolved with the Government representative.

5. Points of Contact. The Contractor shall appoint a project manager (PM) to serve as a single POC and liaison between CENWP and the Contractor. Upon award of this task order, the contractor shall immediately advise the CENWW POC in writing of the individual so designated. The PM shall be responsible for the coordination of all work developed under this task order. The contractor will be in contact with multiple Government POCs. The Contracting Officer is the only POC with the authority to direct the Contractor to perform services. Government POCs under this task order are as follows:

HDC Technical Contact: Ed Miska   (503) 808-4294

Product Coordinator: Wayne Todd   (503) 808-4278

        CENWW - McNary Project Contact: Roy Richardson   (541) 922-2294

        HDC Administrative: Renee Inabnitt   (503) 808-4816

Contract Administrator: David Ebner   (503) 808-4611

HDC ADDRESSES:

Mailing Address:

U.S. Army Corps of Engineers, Portland District

ATTN: CENWP-HDC-P

P.O. Box 2946

Portland, Oregon 97208-2946

Street Address:

U.S. Army Corps of Engineers, Portland District

Hydroelectric Design Center (8th Floor)

Robert Duncan Plaza

333 S.W. First Ave., 8th Floor

Portland, Oregon 97204-3495

6. SCHEDULE. Services performed under this task order shall run from May 2005 through 15 November 2005. Specific elements must be accomplished as coordinated by the Government in order to accommodate a separate Government contract. The following dates may be adjusted up to two months if necessary.

Tasks	Completion Date
Task Order Award	18 May 2005
Complete all coordination and work to enable	
Field testing of the ITB software	NLT 06 June 2005
Complete all softPLC software needed for ITB interface	NLT 22 June 2005
Complete all documentation and remaining work, other than consultation services and final documentation updates	NLT 29 June 2005
Completion of Task Order	NLT 15 November 2005

7. SAFETY. This paragraph applies to contracts and purchase orders that require the contractor to comply with EM 385-1-1 (e.g., contracts that include the Accident Prevention clause at FAR 52.236-13 and/or other safety provisions). EM 385-1-1 and its changes are available at ⍰

HYPERLINK "http://www.hq.usace.army.mil/soh/hqusace_soh.htm" ⍰⍰http://www.hq.usace.army.mil/soh/hqusace_soh.htm⍰. The Contractor shall be responsible for complying with the current edition and all changes posted on the web as of the effective date of this contract action. The Contractor shall report the total man-hours expended in field operations monthly by all employees, including Contractor and Subcontractor, supervisor and laborer. The reporting period shall end on midnight on the last day of the month. The report shall be made by telephone, FAX, or email to Mrs. Eleanor Collins by the 5th of the following month.

Mrs. Collins' contact information is as follows: telephone (503) 808-4917, fax (503) 808-4805, e-mail Eleanor.v.Collins@usace.army.mil.

8. ADDITIONAL SERVICES. The Contractor shall not perform any services under this task order that are considered by the contractor to be a change in price, delivery, completion date or scope required by this agreement without the written approval of the Contracting Officer.

9. CORRECTION OF UNSATISFACTORY WORK. The Contracting Officer, through the Contracting Officer's Representative, maintains the right to reject any work that is found to be in error, incomplete, illegible, or in any way not conforming to the specifications outlined in the task order. The contractor shall be liable for their negligent acts, errors, and omissions. Corrective work may be performed by Government forces or by contractor forces at the discretion of the Contracting Officer.

10. USE OF INFORMATION. The information developed, gathered, assembled, and reproduced by the contractor or his subcontractors, or their associates, in fulfillment of the task order requirements as defined in or related to the Statement of Work, will become the complete property of the Government. The contractor shall not use the information for any purpose at any time without the written consent of the Contracting Officer.

11. RELEASE OF INFORMATION. Reports and information generated under this contract become the property of the Government and distribution by the contractor to any source, for any purpose, at any time, without the written consent of the Contracting Officer is prohibited.

12. PAYMENT. The Contractor shall submit monthly invoices indicating the actual work or services performed to date for approval by the Government. Invoices should be submitted to CENWP-EC-CR-A, ATTN: Eleanor Collins.

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 96X31230000 082432   32300GB81D099993   NA   96352   COST CODE: 000000000000   AMOUNT: $6,161.00

W9127N-05-F-0093

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