

Civil  
(Courtney.Jones@usace.army.mil)

### **Small Business Set-Aside**

N/A

### **Description**

NA CONTRACT INFORMATION. The U.S. Army Corps of Engineers (USACE), Portland District, proposes to contract for a Type 1 Optimizer (ITB) at McNary Dam. This synopsis is intended to result in a Firm Fixed Price Contract sole source to the Actuation Test Equipment Company. The estimated award date of this contract is October 2003. The Government shall be receive a royalty-free license to use and replicate the resulting technology, Far 52.227-11 applies. The developer may retain any resulting patents and commercial licenses for non-government applications. To be eligible for award a firm must be registered with the Department of Defense's (DoD) Central Contractor Registration (CCR) database. Register at the CCR Internet site <http://www.ccr.gov/index.cfm> or by contacting the DoD Electronic Commerce Info. Center at; 1-800-334-3414. BACKGROUND INFORMATION. A Type 1 Optimizer consists of the software and equipment to conduct automatic, unattended, index tests on Kaplan hydraulic Turbines. An index test is a relative efficiency test performed to determine the shape of the optimum efficiency profile and the optimum cam curve to be inputted to the governor or control unit. A cam curve denotes the relation between the angle of the blades on the runner and the opening of the wicket gates, for a given head. GENERAL REQUIREMENT. The Contractor shall provide all administration, plant, facilities, equipment, computer programming, design, labor, travel and work required to develop, test, manufacture, provide, install, proof of concept shop and field test, document and provide monthly progress reports, interim reports, and final reports on an Type 1 Optimizer (ITB) for a Kaplan turbine unit at McNary Dam. COMPATIBILITY. The Type 1 Optimizer (ITB) shall be compatible with the electronic control units on the turbine-generators at the McNary powerhouse. The Type 1 Optimizer (ITB) shall be designed and developed so that it is capable of being integrated into the existing GDACS system with a minimal amount of modification. It is the contractor's responsibility to assess the type

and quality of data inputs available from the Government at an existing project. The outputs of the Type 1 Optimizer (ITB) are to be a data field and resulting relative efficiency profile with a corresponding cam curve at two-foot intervals of gross head. The outputs shall be observable on the device and be provided in electronic formats suitable for subsequent analysis on a computer. The contractor will supervise, participate and assist in the Government's installation of the Type 1 Optimizer (ITB) at the McNary Dam site. After installation, the Developer will demonstrate the Type 1 Optimizer (ITB) and conduct a complete index test at a single head and reduce and analyze the recorded test data to produce the specified outputs. SELECTION CRITERIA. The U.S. Army Corps of Engineers, Portland, Oregon intends to award this contract under the sole source provisions of FAR 6.302-1. SUBMISSION REQUIREMENTS. Interested firms having the capability to perform this work must submit three copies each of SF 254 (11/92 Edition) and SF 255 (11/92 Edition) for the prime firm and all consultants to: USACE Portland District, 333 SW First Avenue, Portland, Oregon 97204-3495, Attn: CENWP-CT-C, David Ebner, not later than the close of business (4:00 p.m. PDT) on September 15, 2003. Include the firm's ACASS number in SF 255, Block 3b. Request for verbal presentation of qualifications will not be permitted. This is not a request for proposal. Solicitation packages are not provided. Direct technical questions to Lee Sheldon (503) 808-4298 or Wayne Todd (503) 808-4278. Direct administrative questions to David Ebner, (503) 808-4611. Reference DACW57-03-R-0021

**Place of Performance**

*Address:* Portland District, US Army Corps of Engineers - Civil Contracting Division (CENWP-CT), P.O. Box 2946 Portland OR  
*Zip Code:* 97208-2946  
*Country:* US

**Record**

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