

SOURCES SOUGHT NOTICE - DE-DT0008449  
DESIGN, INTEGRATION, CONSTRUCTION, COMMUNICATION, AND  
ENGINEERING (DICCE) SERVICES

**Proposal Disallowed Reason: This is a sources sought announcement -- NOT a request for proposal.**

Description:

This is a sources sought synopsis for Design, Integration, Construction, Communication, and Engineering (DICCE) services. The National Nuclear Security Administration (NNSA) seeks qualified small businesses, small business-led teams and joint ventures that qualify as small business capable of performing DICCE services for the Nuclear Smuggling Detection and Deterrence (NSDD) Program. The NSDD provides commercially available radiation detection portal monitors, communications systems, handheld and man-portable devices to assist local officials with detection and deterrence of illicit trafficking of nuclear and other radioactive material, thereby reducing the threat of nuclear proliferation and terrorism. The NSDD Program is comprised of two major elements: Implementation and Sustainability. Implementation focuses on the design, installation, and testing of radiation detection systems at foreign ports of entry and other inspection points. Sustainability focuses on building the capacity of partner countries to own and operate the radiation detection systems through development of training, maintenance capabilities, and the transition of responsibility for these activities from NSDD to the partner country. The DICCE contractors will primarily perform work under the Implementation Program, but may be tasked to perform some limited work for the Sustainability Program.

The objective of this procurement is to design and install sustainable radiation detection and communication systems at selected international border crossings, airports and seaports throughout the world. The focus is on the integration activities that are needed for the development and deployment of radiation detection and communication systems that are robust, are cost effective, will not disrupt site operations, that can be adjusted for the unique needs of a specific application, and that are easy to use, configure and maintain. The countries under consideration include countries in the Former Soviet Union, Europe, East Asia, Southeast Asia, Africa, Central and South America, and other regions to be determined. In the event NSDD is able to obtain timely agreements in all planned countries the rough order of magnitude for all work under this notice is in the three to four hundred million dollar (\$300 - \$400M) range. All work is dependent upon written agreement with the host government and funding. The Government makes no commitment or assurance that the full magnitude of work will ultimately be ordered.

The NSDD Program works closely with host government officials, National Laboratories, other U.S. government agencies, and private contractors to successfully carry out the NSDD mission. The DICCE contractor will be a major contributor to the overall NSDD team effort and will be required to work closely with and support all team members. The DICCE contractor will be required to perform DICCE services in a variety of environments and under varied physical conditions and in diverse cultural settings.

Program experience has shown that integrating the design, construction and communications effort is critical to meeting program cost and schedule requirements, and minimizes disruption to local site operations. The DICCE will be responsible for ensuring all design requirements, contractor furnished equipment, government furnished equipment, construction materials, in-country contracting and construction are coordinated and completed as required. It is anticipated that the contracting terms and conditions will establish a preference for the DICCE contractor to subcontract with local construction firms for the installation of the NSDD systems. A cost-reimbursement type of Indefinite Delivery, Indefinite Quantity contract, with a five-year ordering period, is contemplated. Request for Proposal issuance is planned for Summer 2015 and award is planned by January 2016.

#### Services Sought:

**Design Services** - Provide complete and certified architectural and engineering design services to include: installation designs for radiation detection equipment, video, motion, and security systems; buildings and structures to house alarm station and emergency centers; site access, boundary and perimeter control systems for seaports, airports, border crossings pedestrians, vehicles, and trains; communication systems that include microwave, web based communications, fiber optics, cable and radio-frequency systems; training centers, test, maintenance and repair facilities

**Integration Services** - Coordinate with third parties and Government Furnished Equipment contractors on equipment specifications, deliveries, and installation requirements. Coordinate with host country representatives on design and construction activities to ensure a seamless implementation process. Ensure all construction and installation activities have been accomplished.

**Construction Services** - Working in conjunction with U.S. and host country contractors, provide facility construction, sensor system installation, communication system installation, landscaping, hazardous material abatement, utility system upgrades such as water (portable and fire), telephone/computer systems (other communications), and emergency power.

**Communication Services** - Provide communications systems that collect, store, and display data received from the radiation monitoring locations. The data includes radiation monitor data, video, and user data entries. The systems may include intra-site communications between computing systems(s) and the portal and handheld detectors. The NSDD architecture is made up of several system elements. Not all sites will require each of these elements, and some elements may need to be modified to operate under site-specific conditions. The elements may include: Local Alarm Station Central Alarm Station, Regional Center, and National Center.

**Equipment Provision** - Provide Mobile Detection System units, handheld equipment, man-portable equipment and other detection and related equipment to partners both internationally and domestically.

Engineering Services - Provide specialized expertise and engineering services required for design and construction activities at NSDD sites and in support of NSDD mission requirements.

Logistics Services - Provide logistical support as necessary for in-country construction. Logistics services may include but are not limited to transportation, translation, and interpretation services.

Maintenance and Training - Provide limited maintenance and repair of equipment during construction and up to equipment turn over and support training on equipment operation and maintenance at the time of equipment turnover. Long term maintenance and in depth radiation detection training will generally be the responsibility of others.

NAICS Code: 237990 -- Other Heavy and Civil Engineering Construction (\$36.5 size standard) has been identified based upon review of the industries under which the required work is classified (ref FAR 19.102).

Requested Information:

Large businesses need not respond to this announcement. **Interested parties must submit a Statement of Capability (SOC) via e-mail to Contracting Officer Maria D. Vasquez at [maria.vasquez@nnsa.doe.gov](mailto:maria.vasquez@nnsa.doe.gov) no later than 2:30pm Mountain Daylight Time (MDT), May 20, 2015.** The submittal shall include one (1) Cover Page and the SOC shall not exceed 20 letter-size (8.5x11) pages, double-spaced, using 12-point font; pages in excess of the specified limit will not be reviewed. SOCs submitted in response to this announcement may be used as a basis for future solicitations. In addition to the information requested as part of the SOC, NNSA requests frank and constructive industry comment on the acquisition approach outlined in this synopsis (comments should be limited to three (3) pages and are in addition to the Cover page and the SOC 20-page limitation). Total pages not to exceed are as follows: Cover Page – one (1) page, SOC – twenty (20) pages, and additional comments – three (3) pages.

Submittal must include the following:

**1) Cover Page (limited to one (1) page) to include the following:**

**a) Company Information**

- i) Company Name
- ii) Company Address
- iii) Point of Contact Information to include e-mail address and phone number
- iv) Company CAGE Code and DUNS number.

**b) Type of Business/Arrangement**

- i) Identify business type: Small Business (Small Business, Small Disadvantaged Business, 8(a), Woman-Owned Business, Veteran-Owned Business, etc.).
- ii) If two or more business concerns plan a joint venture or teaming arrangement, identify each company and include each company's address and Point of Contact information and business size, CAGE Code and DUNS number.

- iii) A statement as to whether your company meets the \$36.5M size standard under North American Industry Classification System (NAICS) Code 237990.

## **2) Statement of Capability (Limited to twenty (20) pages)**

### **a) Demonstrated Capability**

- i) Provide a narrative that demonstrates the company's capability to perform the requirements contained in the draft Statement of Work for NNSA. In addition, provide a statement describing how your company might propose to perform the percentage of work specified in Federal Acquisition Regulation 52.219-14(b)(3) -- (15 percent of the cost of the contract, not including the cost of materials). If two or more business concerns plan a joint venture or teaming arrangement, identify the demonstrated capabilities of each business to perform the work described in the Services Sought section above and the roles and responsibilities of each business in the accomplishment of the requirements.
- ii) Provide a summary of your company experience and past performance within the last 5 years as it relates to complex international design, construction and integrating engineering services.

### **b) Past Performance - each company experience summary should include**

- i) Name of project.
- ii) A brief description of project.
- iii) Contract or project number.
- iv) Client/customer point of contact (name, address, phone number, e-mail address).
- v) Dollar value of the contract/project.
- vi) Period of performance of contract/project.
- vii) Relevance of contract/project to NNSA's Services Sought requirements described above.
- viii) Past performance rating demonstrating the capability of the firm(s) to successfully perform the work described in the Services Sought section above.

The above Services Sought requirements are presently performed under a Multiple Award Contract that was awarded under a small business set-aside procurement.

#### **Additional Information:**

This announcement is being used to determine whether sufficient small business interest and capability exist to set this acquisition aside for Small Business (e.g., small business, HUBZone small business and service-disabled veteran-owned small business) or conduct a competitive 8(a) acquisition. NNSA is a strong advocate for the small business community. Interested small businesses, small business-led teams and joint ventures that qualify as small businesses are especially encouraged to submit a response to this notice. This notice is provided as information to the marketplace and is an invitation for an expression of interest and demonstration of capability to perform the anticipated work. The Government will not pay for the provision of any information nor

will it compensate any respondents for the development of such information. This notice is NOT A REQUEST FOR PROPOSALS and in no way obligates the Government to award any contract. NNSA may pursue additional methods of identifying suitable approaches and qualified vendors for this work. Interested parties are strongly encouraged to monitor the Federal Business Opportunities (FedBizOpps) web site for further information on this action. All notices will be posted on the FedBizOpps web site.

**Responses must be received by 2:30pm MDT on May 20, 2015, via e-mail to Contracting Officer Maria D. Vasquez at [maria.vasquez@nnsa.doe.gov](mailto:maria.vasquez@nnsa.doe.gov). Any questions or comments regarding this announcement should be submitted to Contracting Officer, Maria D. Vasquez at [maria.vasquez@nnsa.doe.gov](mailto:maria.vasquez@nnsa.doe.gov) no later than 2:30pm MDT on May 20, 2015.**