General Services Administration
Authorized Federal Supply Service

Professional Engineering Services
Schedule 871

Contract No. GS-23F-0111M
Contract Period: March 1, 2002 - February 29, 2012
Business Size: Large

Allen & Shariff Corporation
7061 Deepage Drive
Columbia, MD 21045
www.allenshariff.com

Contract Administrator:
Craig Johnson
Phone: (410)381-7100
Fax: (410) 381-7100
cjohnson@allenshariff.com
AWARDED SPECIAL ITEM NUMBERS (SINS):

The following SINs are incorporated to include Recovery Purchasing (RC) in accordance with Section 833 of the National Defense Authorization Act for Fiscal Year 2007 for disaster relief. The Primary Engineering Disciplines (PEDs) for the following SIN’s are Electrical Engineering (EE) and Mechanical Engineering (ME).

871-1
STRATEGIC PLANNING FOR TECHNOLOGY PROGRAMS/ACTIVITIES - Services required under this SIN involve the definition and interpretation of high-level organizational engineering performance requirements such as projects, systems, missions, etc., and the objectives and approaches to their achievement. Typical associated tasks include, but are not limited to an analysis of mission, program goals and objectives, requirements analysis, organizational performance assessment, special studies and analysis, training, privatization and consulting. Sin 871-1RC is set aside for Disaster Recovery efforts. Primary Engineering Disciplines for this SIN: EE & ME

871-2
CONCEPT DEVELOPMENT AND REQUIREMENTS ANALYSIS - Services required under this SIN involve abstract or concept studies and analysis, requirements definition, preliminary planning, the evaluation of alternative technical approaches and associated costs for the development of enhancement of high level general performance specifications of a system, project, mission or activity. Typical associated tasks include, but are not limited to requirements analysis, cost/cost performance trade-off analysis, feasibility analysis, regulator compliance support, technology/system conceptual designs, training, and consulting. Sin 871-2RC is set aside for Disaster Recovery efforts. Primary Engineering Disciplines for this SIN: EE & ME

871-3
SYSTEM DESIGN, ENGINEERING AND INTEGRATION - Services required under this SIN involve the translation of a system (or subsystem, program, project, activity) concept into a preliminary and detailed design (engineering plans and specifications), performing risk identification/analysis, mitigation, traceability, and then integrating the various components to produce a working prototype or model of the system. Typical associated tasks include, but are not limited to computer-aided design, design studies and analysis, high level detailed specification preparation, configuration management and document control, fabrication, assembly and simulation, modeling, training, and consulting. Sin 871-3RC is set aside for Disaster Recovery efforts. Primary Engineering Disciplines for this SIN: EE & ME

871-4
TEST AND EVALUATION - Services required under this SIN involve the application of various techniques demonstrating that a prototype system (subsystem, program, project or activity) performs in accordance with the objectives outlined in the original design. Typical associated tasks include, but are not limited to testing of a prototype and first article(s) testing, environmental testing, independent verification and validation, reverse engineering, simulation and modeling (to test the feasibility of a concept), system, quality assurance, physical testing of the product system, training, and consulting. Sin 871-4RC is set aside for Disaster Recovery efforts. Primary Engineering Disciplines for this SIN: EE & ME

871-5
INTEGRATED LOGISTICS SUPPORT - Services required under this SIN involves the analysis, planning and detailed design of all engineering specific logistics support including material goods, personnel, and OM and repair of systems throughout their life-cycles, excluding those systems associated with real property. Typical associated tasks include, but are not limited to ergonomic/human performance analysis, feasibility analysis, logistics planning, requirements determination, policy standards/procedures development, long-term reliability and maintainability, training, and consulting. Sin 871-5RC is set aside for Disaster Recovery efforts. Primary Engineering Disciplines for this SIN: EE & ME

871-6
ACQUISITION AND LIFE CYCLE MANAGEMENT - Services required under this SIN involve all of the planning, budgetary, contract and systems/program management functions required to procure and or/produce, render operational and provide life cycle support (maintenance, repair, supplies, engineering specific logistics) to (technology based) systems, activities, subsystems, projects, etc. Typical associated tasks include, but are not limited to operation and maintenance, program/project management, technology transfer/insertion, training and consulting. Sin 871-6RC is set aside for Disaster Recovery efforts. Primary Engineering Disciplines for this SIN: EE & ME

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GSA Advantage!®
www.gsaadvantage.gov
LABOR PRICING
The labor categories and hourly rates for SINs: 871-1, 871-1 RC, 871-2, 871-2 RC, 871-3, 871-3 RC, 871-4, 871-4 RC, 871-5, 871-5 RC, 871-6, 871-6 RC under Professional Engineering Disciplines (PEDs) Electrical Engineering (EE) and Mechanical Engineering (ME) are as follows:

### SINs 871

<table>
<thead>
<tr>
<th>LABOR CATEGORIES</th>
<th>1</th>
<th>2</th>
<th>3</th>
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<th>6</th>
<th>GOVERNMENT RATE</th>
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### SINs 871 RC

(Recovery Purchasing)

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<td>$80.00</td>
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**PROCESSING FEE**
Ten dollars per transmittal

**TRAVEL COSTS**
Charged in accordance with Federal Acquisition Regulation 31.205-46
CUSTOMER INFORMATION

MAXIMUM ORDER
The Maximum dollar value per order will be $750,000.00 - Requirements exceeding the Maximum Order will be processed in accordance with Clause IFSS-125.

MINIMUM ORDER
The minimum dollar value per order will be $100.00

GEOGRAPHIC COVERAGE
Domestic only

POINT OF PRODUCTION
Columbia, MD : Salisbury, MD : Pittsburgh, PA

DISCOUNT FROM LIST PRICES
All prices are net, discounts have been taken.

QUANTITY DISCOUNTS
Such discounts will be negotiated at the task order level.

PROMPT PAYMENT TERMS
None

GOVERNMENT PURCHASE CARDS
a. Government purchase cards are accepted up to the micro-purchase threshold.
b. Government purchase cards are accepted above the micro-purchase threshold.

FOREIGN ITEMS
None

TIME OF DELIVERY
As agreed upon by individual task order

F.O.B. POINT(S)
Destination

ORDERING & PAYMENT ADDRESS
ALLEN & SHARIFF CORPORATION
7061 DEEPAGE DRIVE
COLUMBIA, MD 21045

ORDERING PROCEDURES
For supplies and services, the ordering procedures, information on blanket purchase agreements (BPAs), and a sample BPA can be found at the GSA/FSS schedule homepage.

DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER
DUNS 80-947-7631

CENTRAL CONTRACTOR REGISTRATION (CCR) DATABASE
Allen & Shariff Corporation has registered in the Central Contractor Registration (CCR) database.

SECURITY CLEARANCE
Allen & Shariff Corporation has employees who possess Secret clearances.

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### ALLEN & SHARIFF CORPORATION: LABOR CATEGORIES

<table>
<thead>
<tr>
<th>Role</th>
<th>Description</th>
<th>Education</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Principal</strong></td>
<td>Program oversight. Ensures resources are available and that tasks are fully staffed with personnel, equipment, and other required support. Assigns the task to the appropriate Program Manager.</td>
<td>Bachelors degree or higher in engineering field.</td>
<td>Fifteen or more years of relevant experience.</td>
</tr>
<tr>
<td><strong>Project Manager</strong></td>
<td>Provides business, technical, and personnel management across a major single project or multiple projects involving multi-disciplinary and diverse functional activities, subordinate groups of technical and administrative personnel.</td>
<td>Bachelor's degree or higher in an engineering field.</td>
<td>Ten years of relevant experience.</td>
</tr>
<tr>
<td><strong>Senior Engineer</strong></td>
<td>Provides leadership developing complex technical solutions for planning and engineering studies and analysis. Plans project coordination and management. Provides comprehensive definition of all technical aspects of project requirements within engineering disciplines. Knowledge of local and national codes. Performs evaluation of alternatives and risks and costs as well as investigative engineering.</td>
<td>Bachelor's degree in an engineering field.</td>
<td>Five years of relevant experience.</td>
</tr>
<tr>
<td><strong>CADD Draftsman</strong></td>
<td>Performs routine and complex technical CADD functions. Works under the supervision of more senior personnel.</td>
<td>AA degree or equivalent.</td>
<td>2 or more years of relevant experience.</td>
</tr>
</tbody>
</table>
SERVICES

MECHANICAL SERVICES
Cooling Plant Design
Refrigeration Condensing Systems
Air Handling Equipment Systems
Low Temperature Systems
Direct Expansion Systems
Chilled Water Systems
Central Systems
Rooftop Unit Systems
Heating Systems
Heat Recovery Systems
Variable Volume Systems Design
Dehumidification Systems Design
Building Automation Systems
Resolving Operational Problems

COMMISSIONING SERVICES
New Building Commissioning
Enhanced Commissioning
Retro-commissioning
Re-commissioning
Construction Compliance Reviews
Third Party Inspections
Warranty Review
Due Diligence Reports
System Testing
System Troubleshooting
Change Order Analysis
Bid Leveling / Review
Project Management
Management of subcontractors
Design Management Reviews

ELECTRICAL SERVICES
Medium Voltage Power Distribution
Power Distribution System Design
Lighting System Design
Lighting Control & Dimming Design
Lightning Protection System Design
Roadway Lighting Design
Transformer & Grounding Design
Emergency Generator & UPS Design
Short Circuit & Coordination Studies
Power Quality / Coordination Design
Fire Alarm Systems
Life Safety Systems
Raised Floor Applications
Computer / Data Room Facilities
Cogeneration System Design

ENERGY SERVICES
Energy Audit
Renewable Energy Feasibility Studies
Life Cycle Cost Analysis
Computer Modeling
Construction Administration
Construction Management
Green Technology Implementation
Operating and Maintenance
Turn-Key Geothermal Projects

PLUMBING SERVICES
Sanitary & Storm System Design
Natural & Propane Gas Distribution
Domestic Water Systems
Piping Layout
Flow & Pressure Calculation
Fire Suppression Systems Design

LEED® CONSULTING SERVICES
High Performance Building Systems
High Efficiency Heating and Cooling
High Efficiency Lighting
Water Efficient Equipment Services
Radiant Systems
Natural Ventilation

TECHNOLOGY SERVICES
Communication Infrastructure
Data Centers
Audio-Visual Systems
Electronic Security Systems
Fire Detection / Alarm Systems
TV Signal Distribution
Intercom / Public Address Systems

FACILITY SUPPORT SERVICES
Facility Operations Audit
Security Evaluations
Life Cycle Audits
Budget Reviews
Performance Testing
Engineering Services
Due Diligence Reviews
Systems Troubleshooting
Asset Management
Work Order Management
Smartprint™ Technology
FacilityONE implementation

DISTRIBUTION POINTS:

<table>
<thead>
<tr>
<th>Allen &amp; Shariff Corporation</th>
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</tr>
</thead>
<tbody>
<tr>
<td>7061 Deepage Drive</td>
<td>700 River Avenue, Suite 333</td>
<td>205 East Market Street</td>
</tr>
<tr>
<td>Columbia, MD 21045</td>
<td>Pittsburgh, PA 15212</td>
<td>Salisbury, MD 21801</td>
</tr>
</tbody>
</table>

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PROJECT PROFILE

FEDERAL GOVERNMENT IDIQ CONTRACTS
Department of State IDIQ S-ALMEC-03-D-0031
- Design Services for DOS Projects Worldwide
Naval Facilities Engineering Command,
- NAVFAC Washington Multiple Award Construction Contract
Andrews Air Force Base - MATOC - DC & MD National Guard
- Maintenance, Repair and Alteration of Real Property
Department of the Air Force
- Multi-Disciplinary Architect-Engineer Services at Dover Air Force Base, DE

FEDERAL GOVERNMENT AGENCIES
Washington Headquarters Services – Pentagon
General Services Administration – Philadelphia Region
General Services Administration – National Capital Region
Department of Health & Human Services – Center for Medicaid/Medicare Services
Department of Justice – Fallon Federal Building
Department of Homeland Security – FBI Building & Technical Support Center (ERFE)
NASA Goddard Space Flight Center
U.S. Department of Agriculture (USDA) – Beltsville, MD
Department of Transportation – Headquarters Building, Washington, D.C.
Social Security Administration – Baltimore, MD
National Institute of Standards & Technology (NIST) – Gaithersburg, MD
Defense Protective Service
Department of Interior
Security & Exchange Commission (SEC)
U.S. Corps of Engineers – Baltimore District
Military District of Washington
Department of the Navy
- Naval Research Lab
- Quantico
- EFA Chesapeake
- Patuxent River NAS
- U.S. Naval Academy
- Washington Navy Yard
- Ft. Belvoir, VA
- Ft. Myer, VA
- Ft. McNair, Washington, D.C.
- Patuxent Naval Air Station, St. Inigoes

PRIVATE PROJECT PROFILE
http://engineering.allenshariff.com/portfolio/

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