Cosmic AES; 985 Space Center Dr. Suite 235; Colorado Springs, CO 80915
(719) 573-4704; FAX (719) 576-2828

Cosmic Advanced Engineered Solutions (Cosmic AES)

Professional Engineering Services (PES)

Contract Number: GS10F0196V

Period of Performance Covered by Contract

5/21/09 through 5/31/14

General Services Administration

Federal Acquisition Schedule

Cosmic AES; 985 Space Center Dr. Suite 235; Colorado Springs, CO 80915
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General Services Administration

Federal Supply Service
Authorized Federal Supply Schedule Price List

On-line access to contract ordering information, terms and conditions, up-to-date pricing and the option to create an electronic delivery order are available through GSA Advantage: a menu-driven database system. The Internet URL address is: http://www.gsaadvantage.gov/.

Schedule 871 Professional Engineering Schedule

North American Industry Classification System (NAICS) Codes:

541330 Engineering Services – Small Business Size is $4.5M
541712 Commercial Physical and Biological Research – Small Business size is 500 employees

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Contract Number: GS-10F-0196V

For more information on ordering from Federal Supply Schedules click on the ***"FSS Schedules"*** button at ***www.fss.gsa.gov***

Contract Period: 21 May 09 through 31 May 14

Contract Information:
Cosmic AES
985 Space Center Dr. Suite 235
Colorado Springs, CO 80915
Phone: (719) 573-4704
Fax: (719) 576-2828

Website Address: ***www.cosmicaes.com***

Program Manager and Contract Administrator:
Tom Taylor
Cosmic AES
985 Space Center Dr. Suite 235
Colorado Springs, CO 80915
Phone: (719) 930-8444
Fax: (719) 576-2828
tom.taylor@cosmicaes.com

Business Size: Small under both 541330 and 541712

Customer Information

871–1 Strategic Planning for Technology Programs
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 outsourcing.

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 or 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, regulatory compliance support, technology conceptual designs, training, privatization and outsourcing.

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, modelling, training, privatization and outsourcing.

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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 testing of a prototype and first article(s) testing, environmental testing, independent verification and validation, reverse engineering, simulation and modelling (to test the feasibility of a concept), system safety, quality assurance, physical testing of the product or system, training, privatization and outsourcing.

871–5 Integrated Logistics Support

Services required under this SIN involve the analysis, planning and detailed design of all engineering specific logistics support including material goods, personnel, and operational maintenance and repair of systems throughout their life cycles. 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, privatization and outsourcing.

871-6 Acquisition 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.

Labor Categories: Labor Categories accepted under this contract are applicable to all SINs and on all PEDs offered. The Table of Labor Categories is below.

Pricing: Cosmic AES's labor prices are listed below.

Maximum Order: $750,000 Requirements exceeding the Maximum Order will be processed in accordance with Clause I-FSS-125

Minimum Order: $100.00

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Geographic Coverage: USA Domestic only

Discounts: None

Quantity Discounts: None

Prompt Payment Terms: None

Government Commercial Credit Card: Cosmic AES does not accept the Government Commercial Credit Card

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Foreign Items: None

Delivery: Cosmic AES will adhere to each awarded order's specifically stated Period of Performance.

Urgent Requirements: Section 2.69 I-FSS-140-B "Urgent Requirements" (Jan 94) - When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

FOB Point: Destination

Ordering Address:
Cosmic AES
985 Space Center Dr. Suite 235
Colorado Springs, CO 80915
Attention: Tom Taylor, Program Manager, (719) 573-4704, ***tom.taylor@cosmicaes.com***
Alternate: Carol Zanmiller, CEO, (719) 329-8841, ***carol.zanmiller@cosmicaes.com***

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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 (fss.gsa.gov).

Payment Address:

Cosmic AES
3940 Regency Dr.
Colorado Springs, CO 80906

Warranty: None

DUNS: 08-842-0091

CCR: Cosmic AES is registered in the Central Contractor Registration (CCR) database

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GS10F0196V Labor Category Descriptions

Program Management

Senior Program Manager

Education: BS/BA (5 years of work experience may be substituted for a BS/BA degree)

General Experience: The Senior PM typically has 15+ years experience in managing complex engineering or technical efforts involving multiple facets of an engineering discipline.

Specialized Experience: The Senior PM possesses at least 5 years of direct supervision of technical personnel involved in life-cycle management support of complex systems. Must be capable of leading projects that involve the successful management of teams composed of engineers, scientists, and management professionals who have been involved in analyzing, designing, developing, integrating, training, testing, documenting, implementing, and maintaining complex systems.

Duties: The Senior PM performs day-to-day management of overall contract support operations, possibly involving multiple projects. Organizes, directs, and coordinates planning and production of all contract support activities. Demonstrates written and oral communication skills. Establishes and alters (as necessary) corporate management structure to direct effective contract support activities.

Program Manager

Education: BS/BA (5 years of work experience may be substituted for a BS/BA degree)

General Experience: The Program Manager (PM) typically has up to 15 years of experience in managing complex engineering or technical efforts involving multiple facets of an engineer discipline.

Specialized Experience: The PM possesses at least 3 years of direct supervision of technical personnel involved in life-cycle management support of complex systems. Must be capable of leading projects that involve the successful management of teams composed of engineers, scientists, and management professionals who have been involved in analyzing, designing, developing, integrating, training, testing, documenting, implementing, and maintaining complex systems.

Duties: The PM performs day-to-day management of overall contract support operations, possibly involving a single project. Organizes, directs, and coordinates planning and production of all contract support activities. Demonstrates written and oral communication skills.

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Engineering

Engineering Consultant

Education: MS (8 years of work experience may be substituted for a MS degree)

General Experience: Engineering Consultant (EC) typically has 20+ or more years of extensive experience in technical work engineering. This individual involving concept development and requirements analysis, system design, engineering, and integration, software design, development, and maintenance, system administration, and data base administration, or test and evaluation.

Specialized Experience:

- Minimum 15 years of experience in related field
- Acknowledged as an expert in the specific functional area of task to be performed.
- May have published articles or books in field of expertise and/or made presentations at professional conferences.

Duties: The EC supervises engineering and technical efforts. Performs typical associated tasks that may include:

- Responsible for the effective assessment and resolution of critical program issues.
- Develops highly advanced methods, theories, and research techniques in the investigation and solution of extremely complex issues.
- Ensures that focus is maintained on problem solution and task completion.
- Provides advice in developing programs and implementing creative and innovative solutions to customer's problems.

Principal Engineer

Education: MS/MA (8 years of work experience may be substituted for a MS/MA degree)

General Experience: The Principal Engineer (PE) typically has 10 or more years of experience in technical work engineering involving concept development and requirements analysis, system design, engineering, and integration, software design, development, or test and evaluation.

Specialized Experience: The PE possesses at least 7 years experience in one of the following areas.

- Supervision of systems engineering technical efforts with hands-on experience in direct execution of major acquisition efforts involving concept studies.
- Supervision and hands-on experience in direct execution of major efforts in the translation of a system, subsystem, program, project, or activity concept into a preliminary and detailed design, performing risk identification, analysis, and mitigation,

and then integrating the various components to produce a working prototype or model of the system.

- Experience in engineering systems programming as a lead programmer. Must be capable of using third- and fourth-generation or current state-of-the-art equipment and languages to develop and prepare diagrammatic plans for solution of business, management, communications, tactical, and strategic problems.

- Hands-on experience in direct execution of major efforts in the application of a number of techniques to demonstrate that a prototype system, program, project, or activity performs in accordance with the objectives outlined in the original design.

Duties: Supervises engineering/technical efforts. Performs associated tasks that may include:

- Systems requirements analysis, cost/cost performance trade-off analysis, feasibility analysis, regulatory compliance support, technology conceptual designs, and special studies and analyses.

- Computer-aided design, design studies and analyses, research and development, specification preparation, configuration management and document control, fabrication, assembly, and simulation and modeling.

- Computer programs, flowcharts, and diagrams showing the mathematical computations and sequence of operations necessary to copy and process data and print results in compliance with current Industry and Government practices.

- Prototype development and first article testing, environmental testing, independent verification and validation, demonstration and validation, simulation and modeling, system safety, quality assurance, education and training, and physical testing of the product or system.

Senior Engineer

Education: BS/BA (5 years of work experience may be substituted for a BS/BA degree)

General Experience: The Senior Engineer (SE) typically has 7 to 9 years experience in technical work engineering involving concept development and requirements analysis, system design, engineering, and integration, software design, development, or test and evaluation.

Specialized Experience: The SE possesses at least 5 years of hands-on experience in direct execution of one of the following areas:

- Assignments involving analysis, preliminary production, planning, requirements definition, traceability, and evaluation of one or more alternative technical approaches and associated costs for creating or upgrading performance of a system or activity.

- Experience in direct execution of major efforts in the translation of a system, subsystem, program, project, or activity concept into a preliminary and detailed design, performing risk identification, analysis, and mitigation, and then integrating the various components to produce a working prototype or model of the system.

- Engineering systems programming as a lead programmer and capable of using third- and fourth-generation or current state-of-the-art equipment and languages to develop and prepare diagrammatic plans for solution of business, management, communications, tactical, and strategic problems.

- Experience in direct execution of major efforts in the application of a number of techniques to demonstrate that a prototype system, program, project, or activity performs in accordance with the objectives outlined in the original design.

Duties: The SE supervises engineering and technical efforts and performs tasks that may include:

- Requirements analysis, cost performance trade-off analysis, feasibility analysis, regulatory compliance support, technology conceptual designs, and special studies and analyses.

- Computer-aided design, design studies and analysis, research and development, specification preparation, configuration management and document control, fabrication, assembly, and simulation and modeling.

- Designs and develops detailed programs, flowcharts, and diagrams showing the mathematical computations and sequence of operations necessary to copy and process data and print results in compliance with current Industry and Government practices.

- Prototype development and first article testing, environmental testing, independent verification and validation, demonstration and validation, simulation and modeling, system safety, quality assurance, education and training, and physical testing of the product or system.

Engineer

Education: BS/BA (5 years of work experience may be substituted for a BS/BA degree)

General Experience: The Engineer (Engr.) typically has 4 to 6 years experience in technical work engineering involving concept development and requirements analysis, system design, engineering, and integration, software design, development, and maintenance, system administration, and data base administration, or test and evaluation.

Specialized Experience: The Engr. possesses at least 3 years of hands-on experience in direct execution of one of the following areas:

- Assignments involving analysis, preliminary production, planning, requirements definition, traceability, and evaluation of one or more alternative technical approaches and associated costs for creating or upgrading performance of a system or activity.

- Direct execution of major efforts in the translation of a system, subsystem, program, project, or activity concept into a preliminary and detailed design, performing risk identification, analysis, and mitigation, and then integrating the various components to produce a working prototype or model of the system.

- Engineering systems programming capable of using third- and fourth-generation or current state-of-the-art equipment and languages to develop and prepare diagrammatic plans for solution of business, management, communications, tactical, and strategic problems.

- Direct execution of major efforts in the application of a number of techniques to demonstrate that a prototype system, program, project, or activity performs in accordance with the objectives outlined in the original design.

Duties: The Engr. performs tasks that may include:

- Requirements analysis, cost performance trade-off analysis, feasibility analysis, regulatory compliance support, technology conceptual designs, and special studies and analysis.

- Computer-aided design, design studies and analysis, research and development, specification preparation, configuration management and document control, fabrication, assembly, and simulation and modeling.

- Designs and develops detailed programs, flowcharts, and diagrams showing the mathematical computations and sequence of operations necessary to copy and process data and print results in compliance with current Industry and Government practices.

- Prototype development and first article testing, environmental testing, independent verification and validation, demonstration and validation, simulation and modeling, system safety, quality assurance, education and training, and physical testing of the product or system.

Mission Analysis

Principal Mission Analyst

Education: MS/MA (8 years of work experience may be substituted for a MS/MA degree)

General Experience: The Principal Mission Analyst (PMA) typically has 10 to 12 years experience performing mission analysis.

Specialized Experience: The Principal MA possesses at least 8 years of specialized analysis experience in areas such as engineering, business process reengineering, configuration management, quality control/assurance, organizational performance assessments, mission analysis, operations analysis, and strategic planning.

Duties: Applies applicable mission analysis processes, modeling and simulation tools, and technical techniques to provide the services required. Employs process improvement and reengineering methodologies and principles to conduct process modernization projects. The Principal MA provides group facilitation, interviewing, training, and additional forms of knowledge transfer. He/she serves as key coordinator among multiple project teams to ensure enterprise wide integration of management efforts. The Principal MA provides daily supervision and direction to personnel performing mission analysis tasking.

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Senior Mission Analyst

Education: BS/BA (5 years of work experience may be substituted for a BS/BA degree)

General Experience: The Senior Mission Analyst (SMA) typically has 7 to 9 years experience performing mission analysis.

Specialized Experience: The Senior MA possesses at least 5 years of specialized analysis experience in areas such as engineering, business process reengineering, configuration management, quality control/assurance, organizational performance assessments, mission analysis, operations analysis, and strategic planning.

Duties: Applies appropriate mission analysis processes, modeling and simulation tools, and technical techniques to provide the services required. Employs process improvement and reengineering methodologies and principles to conducting process modernization projects. The Senior MA provides group facilitation, interviewing, training, and additional forms of knowledge transfer. He/she coordinates multiple project teams to ensure enterprise-wide integration of management efforts. The Senior MA provides daily supervision and direction to personnel performing mission analysis tasking.

Mission Analyst

Education: BS/BA (5 years of work experience may be substituted for a BS/BA degree)

General Experience: The Mission Analyst (MA) typically has 4 to 6 years experience performing mission analysis

Specialized Experience: The MA possesses at least 3 years of specialized analysis experience in areas such as engineering, business process reengineering, configuration management, quality control/assurance, organizational performance assessments, mission analysis, operations analysis, and strategic planning

Duties: Applies appropriate mission analysis processes, modeling and simulation tools, and technical techniques to provide the services required. Employs process improvement and reengineering methodologies and principles to conducting process modernization projects. The MA provides group facilitation, interviewing, training, and additional forms of knowledge transfer. He/she coordinates a project team to ensure enterprise wide integration of mission efforts.

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Cosmic AES GS10F0196V Rate Table

Labor Category Government Site	May 2009 to Apr 2010	May 2010 to Apr 2011	May 2011 to Apr 2012	May 2012 to Apr 2013	May 2013 to Apr 2014
Senior Program Manager	$134.20	$139.57	$145.15	$150.95	$156.99
Program Manager	$121.80	$126.67	$131.74	$137.01	$142.49
Engineering Consultant	$170.00	$176.80	$183.87	$191.23	$198.88
Principal Engineer	$134.20	$139.57	$145.15	$150.95	$156.99
Senior Engineer	$116.24	$120.89	$125.72	$130.75	$135.98
Engineer	$106.99	$111.27	$115.72	$120.35	$125.16
Principal Mission Analyst	$121.80	$126.67	$131.74	$137.01	$142.49
Senior Mission Analyst	$104.09	$108.25	$112.58	$117.09	$121.77
Mission Analyst	$86.02	$89.46	$93.04	$96.76	$100.63

Note: all prices are per hour.