

Professional Engineering Services (PES)

Major Group 87 (54 NAICS)

NAICS 541330/ SIC 871 Engineering Services

Contract #GS-23F-0018R

Contract:

Mechtronic Solutions, Inc. (MSI)
3801 Academy Parkway North NE
Albuquerque, NM 87109
Tel: (505) 821-4740
Fax: (505) 821-5210

Contract Administrator:

Phil Auerbach
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Business Size:

Small

1a. Awarded SINS

SINS	Description	Professional Engineering Disciplines (PED)
SIN 871-1	Strategic Planning for Technology Programs/Activities	ME & EE
SIN871-1RC	Recovery: Strategic Planning for Technology Programs/Activities	ME & EE
SIN 871-2	Concept Development & Requirements Analysis	ME & EE
SIN871-2RC	Recovery: Concept Development & Requirements Analysis	ME & EE
SIN 871-3	System Design, Engineering and Integration	ME & EE
SIN871-3RC	Recovery: System Design, Engineering and Integration	ME & EE
SIN 871-4	Test and Evaluation	ME & EE
SIN871-4RC	Recovery: Test and Evaluation	ME & EE
SIN 871-5	Integrated Logistics Support	ME & EE
SIN871-5RC	Recovery: Integrated Logistics Support	ME & EE
SIN 871-6	Acquisition and Lifecycle Management	ME & EE
SIN871-6RC	Recovery: Acquisition and Lifecycle Management	ME & EE

1b. Lowest Price Model Number
Not applicable

1c. Labor Categories and Descriptions

Administrator I	\$42.64	Under direct supervision, performs contract related purchasing for technical staff, typing of reports and customer correspondence, filing of documents, and invoicing. HS diploma or equivalent and applicable skills training. At least one year of practical experience.	
Technician I	\$44.58	Under direct supervision, performs complex, but repetitive electro-mechanical assembly or fabrication operations. May use schematics, blueprints, sketches, and written and verbal instructions. No experience necessary but must have a HS diploma or equivalent and applicable skills training.	
Technician II	\$59.47	Under general supervision, performs a variety of moderately complex tasks to support engineering or manufacturing activities, including fabrication, assembly, and test. May use schematics, rough sketches, and general written and verbal instructions. No experience necessary but must have an Associate's degree or trade school certificate.	
Technician III	\$74.36	Under minimal supervision performs complex technical tasks requiring a high level of knowledge and skill. Frequently requires independent performance of job activities to a complex industry standard. Assists engineers to fabricate and test prototypes. May supervise lower level technicians and/or serve in a mentoring capacity. Associate's degree or trade school certificate and more than 5 years of relevant work experience.	
Designer I	\$54.54	Under immediate supervision, applies appropriate standards, procedures, and specifications to create design layouts, engineering drawings, and other technical documentation. Ensures that all drawings and documentation are in proper format and comply with company, industrial, and applicable military and government specifications. Maintains appropriate configuration management standards. Associate's degree	

		and 0 - 5 years of experience or equivalent experience.	
Designer II	\$64.45	Under minimal supervision, applies appropriate standards, procedures, and specifications to create simple engineering designs, design layouts, engineering drawings, and other technical documentation. Ensures that all drawings and documentation are in proper format and comply with company, industrial, and applicable military and government specifications. Helps to develop and maintain appropriate configuration management standards. May provide mentoring to less experienced designers. Associate's degree and 5 - 10 years of experience or equivalent experience.	
Designer III	\$77.38	Executes complex engineering designs, design layouts, engineering drawings, and other technical documentation. Ensures that all designs and related documentation are in proper format and comply with company, industrial, and applicable military and government specifications. Develops and implements appropriate configuration management standards. Provides mentoring to less experienced designers. Associate's degree and more than 10 years of experience or experience.	
Engineering Intern	\$69.40	Under immediate supervision, performs basic design, layout, testing, and evaluation of less complex mechanical/electrical/software products and systems. Performs product development activities including design layout and evaluation, implementation of customer specifications and requirements, and documentation. Conducts basic engineering studies using standard engineering theory and principles. Normally receives detailed instructions on work and new assignments. No experience necessary but must have a Bachelor's degree in Engineering in process.	ME & EE
Engineer I	\$82.34	Under immediate supervision, performs design, layout, testing, and evaluation of basic mechanical/electrical/software products and systems. Performs product development activities including design layout and evaluation, implementation of customer specifications and requirements, and documentation. Conducts basic engineering studies using standard engineering theory and principles. Normally receives detailed instructions on work and on new assignments. Bachelor's degree in Engineering and 0 - 5 years of experience or equivalent experience. Master's degree in	ME & EE

		Engineering and 0-2 years of experience.	
Engineer II	\$93.20	Under limited supervision, performs basic design, layout, testing, and evaluation of somewhat complex mechanical/electrical/software products and systems. Performs product development activities including design layout and evaluation, implementation of customer specifications and requirements, and documentation. Conducts engineering studies using standard engineering theory and principles. Normally receives general instructions on routine work and detailed instructions on new assignments. May perform as a technical lead for a moderately complex project. Bachelor's degree in Engineering and 5 - 10 years of experience or equivalent experience. Master's degree in Engineering and 2 - 7 years of experience.	ME & EE
Engineer III	\$107.08	Under general supervision with limited scope of responsibility, performs design, layout, testing, and evaluation of moderately complex mechanical/electrical/software products and systems. Performs detailed product development activities including design layout and evaluation, implementation of customer specifications and requirements, and documentation. Conducts engineering studies using complex engineering theory and principles. Normally receives general instructions for both routine work and new assignments. Likely to perform as a technical lead for moderately complex projects. Bachelor's degree in Engineering and 10 - 15 years of experience or equivalent experience. Master's degree in Engineering and 7 – 12 years of experience.	ME & EE
Engineer IV	\$118.94	Under minimal supervision with broad scope of responsibility, performs design, layout, testing, and evaluation of highly complex mechanical/electrical/software products and systems. Performs detailed product development activities including design layout and evaluation, implementation of customer specifications and requirements, and documentation. Conducts engineering studies using innovative engineering theory and principles. Likely to	ME & EE

		perform as a technical lead for complex projects and to serve as a mentor for other technical staff. Bachelor's degree in Engineering and 15 - 20 years of experience or equivalent experience. Master's degree in Engineering and 12 – 17 years of experience.	
Engineer V	\$131.81	Responsible for performing design, layout, testing, and evaluation of highly complex mechanical/electrical/software products and systems. Performs detailed product development activities including design layout and evaluation, development and implementation of product specifications and requirements, and documentation. Conducts engineering studies using complex and innovative engineering theory and principles. Likely to perform as a project lead for complex projects and to serve as a mentor for other technical staff. Recognized as an engineering authority. Bachelor's degree in Engineering and more than 20 years of experience or equivalent experience. Master's degree in Engineering and more than 17 years of experience.	ME & EE
Project Manager I	\$79.32	Under immediate supervision, manages the execution of basic projects. Oversees cost, schedule, and functional aspects of the project and oversees project resources. Serves as a primary point of contact for the customer. Provides functional and technical guidance to project staff. Bachelor's degree and 3 - 5 years of experience or equivalent experience. Master's degree and 0 – 2 years of experience.	
Project Manager II	\$99.17	Under general supervision, manages the execution of moderately complex projects. Oversees cost, schedule, and functional aspects of the project and oversees project resources. Serves as a primary point of contact for the customer. Provides functional and technical guidance to project staff. Bachelor's degree and 5 - 10 years of experience or equivalent experience. Master's degree and 2 - 7 years of experience.	
Project Manager III	\$113.98	Responsible for the execution of complex projects. Responsible for cost, schedule, and functional aspects of the project and oversees project resources. Serves as a primary point of contact for the customer. Provides	

		functional and technical guidance to project staff. Bachelor's degree and more than 10 years of experience or equivalent experience. Master's degree and more than 7 years of experience.	
Program Manager I	\$123.98	Under immediate supervision, oversees the establishment, planning, execution, and evaluation of a basic program, typically consisting of a set of closely related subprograms or projects. Oversees fiscal, operational, administrative, and resource management of the program. Develops new business opportunities. Serves as a primary point of contact for the customer. Bachelor's degree and 10 - 15 years of experience or equivalent experience. Master's degree and 7 - 12 years experience.	
Program Manager II	\$136.85	Under minimal supervision, oversees the establishment, planning, execution, and evaluation of a complex program, typically consisting of a set of closely related subprograms or projects. Oversees fiscal, operational, administrative, and resource management of the program. Develops new business opportunities. Serves as the principal point of contact for the customer and provides professional guidance and leadership as necessary. Bachelor's degree and 15 - 20 years of experience or equivalent experience. Master's degree and 12 – 17 years of experience.	
Program Manager III	\$148.72	Responsible for the establishment, planning, execution, and evaluation of multifaceted programs, typically consisting of a set of closely related subprograms or projects. Responsible for fiscal, operational, administrative, and resource management of the programs. Develops new business and identifies strategic opportunities. Serves as the principal point of contact for the customer and provides professional guidance and leadership as a recognized expert. Bachelor's degree and more than 20 years of experience or equivalent experience. Master's degree and more than 17 years of experience.	

1d. SCA Matrix:

SCA Eligible Contract Labor	Occupational Code and Title	WD Number
Administration	01020 – Administrative Assistant	05-2361
Technician I	30081 – Engineering Technician I	05-2361
Technician II	30082 – Engineering Technician II	05-2361
Technician III	30084 – Engineering Technician IV	05-2361
Designer I	30062 – Drafter/ CAD Operator II	05-2361
Designer II	30063 – Drafter/ CAD Operator III	05-2361
Designer III	30064 – Drafter/ CAD Operator IV	05-2361

2. Maximum Order:
\$750,000

3. Minimum Order:
\$100

4. Geographic Coverage:
U.S.

5. Points of Production:
U.S.

6. Discount from List Prices:
Not Applicable

7. Quantity Discounts:
Not Applicable

8. Prompt Payment Discount:
Per 552.232-8

9. Government Commercial Credit Card:
Not Applicable

10. Foreign Items:
Not applicable

11. Delivery:
Per contract

12. F.O.B. Point:
Destination

13. Ordering Address:
3801 Academy Parkway North NE
Albuquerque, NM 87109

14. Payment Address:
3801 Academy Parkway North NE
Albuquerque, NM 87109

15. Warranty Provision:
The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the purpose described in the Contract.

16. Export Packing Charges:
Not applicable

17. Terms and Conditions of Government Purchase Card Acceptance:
Not Applicable

18. Terms and Conditions of Rental, Maintenance and Repair:
Not Applicable

19. Terms and Conditions of Installation:
Not Applicable

20. Terms and Conditions of Repair Parts:
Not applicable

21. List of Service and Distribution Points:
Not applicable

22. List of Participating Dealers:
Not applicable

23. Preventative Maintenance:
Not applicable

MSI is a turnkey Product Realization company. Our innovative team of mechanical and electrical engineers specialize in developing concepts and turning them into viable products and systems. Close coordination between our engineering and manufacturing personnel results in highly manufacturable, cost-effective products that exceed our customer's expectations, allowing them to succeed in today's demanding marketplace.

We provide the following Electrical and Mechanical Engineering Services.

- Solid Modeling – SolidWorks and Pro/Engineer
- Finite Element Analysis – Cosmos
- Electronics Design – OrCAD, Electronics Workbench
- Printed Circuit Card Assembly – SMT and PTH
- Machining and Mechanical Assembly
- Cable and Harness Assembly

- Final Assembly and Test
- Supply Chain Management
- EE Design, prototyping, producibility, materials availability and cost, design for manufacturability
- Planning, procurement, inventory management
- Testing: In-circuit, end-to-end continuity, manufacturing defect analysis (MDA), functional, prom programming and verification
- Field service and support, remanufactured products