

Mechanical Ground Support Equipment (MGSE) Structural Analysis

Scope Description: The Jet Propulsion Laboratory (JPL) is reviewing options to find small businesses with experience in one or more of the following listed items. JPL seeks small business concerns, not staff augmentation firms, with extensive experience in one or more of the following listed items to meet the below scope requirements and minimum/mandatory qualifications.

Minimum/Mandatory Quals: Experience and capabilities in one or more of the following listed items.

In the chart below, type an “X” for each of the areas applicable to your capabilities and experience.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Scope Tasks – Past Performance Identifying/Providing:** |  **Yes** |  **No** |
| 1. | Static linear structural analysis of aerospace MGSE structures using FEA and hand calculations |  |  |
| 2. | Bolted joint analysis for aerospace MGSE structures, including margin calculations for yield, ultimate, gapping, and slip |  |  |
| 3. | Modal and vibration analysis of aerospace hardware shipping systems with payloads and vibration test configurations |  |  |
| 4. | Structural thermal analysis of aerospace MGSE in thermal test configurations |  |  |
| 5.  | Past performance with NASA/JPL/DoD/Large Aerospace company |  |  |

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| **Past Performance Summary Format** |
| **Contract Name:**  |
| **Business Size:**  |
| **Socio-Economic Status:** SB [ ]  SDB [ ]  WOSB [ ]  VOSB [ ]  SDVOSB [ ]  HUBZone [ ]  HBCU/MSI [ ]  |
| **Issuing Agency:**  | **Contract #:** |  |
| **Contract $ Value:** | **Period of Perf:** |  |
| **MGSE/Flight Hardware/ or Both:**  | **Tier 1 (Prime) /Tier 2/ Tier 3?** |  |
| **Summarized Scope of Work – Provide Technical Details Here** |
|   |
| **Requirements (Check if applies)** |
| 1. Static linear structural analysis of aerospace MGSE  | [ ]  | 4. Structural thermal analysis of aerospace MGSE in thermal test configurations | [ ]  |
| 2. Bolted joint analysis for aerospace MGSE structures | [ ]  | 5. Past performance with NASA/JPL/DoD/Large Aerospace | [ ]  |
| 3. Modal and vibration analysis of aerospace hardware shipping systems with payloads and vibration test configurations | [ ]  | N/A | [ ]  |

Please send to smallbusiness.programsoffice@jpl.nasa.gov Capabilities statements are also welcomed. The Small Business Programs Office will contact you to ask questions or request further information.

DISCLAIMER: There is no commitment or guarantee on the part of JPL to move forward with a Request for Information (RFI) or Request for Proposal (RFP) at this time.