

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

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| Scouting Number | 2024-212 |
| Item to be Scouted | Double-pulse Nd:Yag Laser |
| Days to be scouted | 30 |
| Response Due By | 08/23/2024 |
| Description | Double-pulse Nd:YAG laser similar in form, fit and function to Evergreen EVG00200 for use in Particle Image Velocimetry studies in a meteorological wind tunnel. |
| Notify Requester Immediately | |
| State item to be used in | North Carolina |

Section 2: Technical Information

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| Type of supplier being sought | Manufacturer |
| Reason | 2nd Supplier |
| Describe the manufacturing processes (elaborate to provide as much detail as possible) | Scientific instrument manufacturing |
| Provide dimensions / size / tolerances / performance specifications for the item | Wavelength: 532 nanometers Pulse Energy: minimum 180 mJ/pulse @ 532 nanometers Pulse Width: maximum 10 nanoseconds (full width half maximum - FWHM) Repetition Rate: Minimum 10 Hz Light Polarization: Linear Nominal Near Field Beam Diameter: 6.35 mm External Triggering: BNC connections for flash lamp and Q-switch Far Field Beam Overlap: minimum ± 100 microradians Laser Head Orientation: Laser head assembly can operate in any orientation Physical Dimensions: Laser head should be no longer than 500 mm with a cross-section of less than 200 mm by 200 mm. |
| List required materials needed to make the product, including materials of product components | NA |
| Are there applicable certification requirements? | No |
| Are there applicable regulations? | No |
| Are there any other standards, requirements, etc.? | No |
| NAICS 1 | 334516 Analytical laboratory instrument manufacturing |
| NAICS 2 | |
| Additional Technical Comments | |

Section 4: Business Information

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| Estimated potential business volume | One-time purchase of a single unit. |
| Estimated target price / unit cost information (if unavailable explain) | \$47,000 |
| When is it needed by? | 3 months |
| Describe packaging requirements | Crated for safe shipping |

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| Where will this item be shipped? | Durham, NC |
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Additional Comments

Is there other information you would like to include?