

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

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| Scouting Number | 2025-046 |
| Item to be Scouted | Water Based Colloid Concentration |
| Days to be scouted | 60 |
| Response Due By | 04/21/2025 |
| Description | Seeking a manufacturing process capable of concentrating a water-based colloid. The process should achieve an ~85% volume reduction while ensuring all non-volatile, high molecular weight components remain suspended in solution at the target concentration. The resulting distillate will consist solely of water. |
| Notify Requester Immediately | No |
| State item to be used in | Florida |

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) | Manufacturing process includes but is not limited to preparation of raw materials, emulsion polymerization, stabilization, and characterization. |
| Provide dimensions / size / tolerances / performance specifications for the item | +/- 1.5% Water based colloid needs to be concentrated from ~1.5% solids to ~40% via removal of water. Concentration results in about an 85% volume reduction from provided feed. Distillate would consist of water only with all other components of feed being low volatility and high molecular weight, staying in solution. All components in solution stay suspended at concentrate target |
| List required materials needed to make the product, including materials of product components | Pilot or production scale reactor with vacuum capabilities and corrosion resistant |
| Are there applicable certification requirements? | Yes |
| Certification(s) required | cGMP ,ISO 9001 |
| Are there applicable regulations? | No |
| Are there any other standards, requirements, etc.? | No |
| NAICS 1 | |
| NAICS 2 | |
| Additional Technical Comments | pH of the provided feed is in the range of 3.5-4.5. pH of the concentrate is in the range of 1.5-2.5. |

Section 4: Business Information

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| Estimated potential business volume | Week A: approximately 5,500 gal; week B: approximately 9,400 gal (run continuously throughout the year (can adjust volumes to those that toller can complete if not feasible) |
| Estimated target price / unit cost information (if unavailable explain) | \$15,000/unit USD |

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| When is it needed by? | 3/24/2025 |
| Describe packaging requirements | Corrosion resistant 55-gal drums |
| Where will this item be shipped? | Supplier company in Florida |

Additional Comments

Is there other information you would like to include?