



DEPARTMENT OF THE ARMY
U.S. ARMY MISSION AND INSTALLATION CONTRACTING COMMAND
925TH CONTINGENCY CONTRACTING BATTALION
31 QUARTERMASTER ROAD
FORT DRUM, NY 13602-5220

MADN-CME

06 October 2022

MEMORANDUM FOR MICC- Fort Drum

SUBJECT: Brand Name Exact Match Memo for Unison Buy #1121269

1. Space Launch Tech, LLC is the only entity capable of supplying three, precision engineering solid fuel rockets to meet the needs of the West Point Department of Civil and Mechanical Engineering. The department currently operates three solid fuel hypersonic rocket systems. The rockets support the SPEAR-HRT senior design capstone project and are essential to the success of the mechanical engineering curriculum of the cadets. The rocket can be broken down into three key components, the 98mm/127mm solid rocket booster motor, 98mm/75mm solid rocket sustainer motor, and suborbital rocket avionics package. To manufacture these items requires specific knowledge of the mission of SPEAR-HRT to ensure the end products meet the team's needs. Additionally, the constrained timeline of the cadet design project requires we purchase from Space Launch Tech, LLC as they are the only entity capable of meeting launch date.
2. Extensive market research was completed to determine if there were other entities capable of meeting the needs of the SPEAR-HRT project. This included talking with vendors, sending specific rocket specifications and required delivery dates. No other entity besides Space Launch Tech, LLC could meet all the requirements of SPEAR-HRT.
3. Space Launch Tech, LLC is the only known entity that can produce the exact items needed to interface with this end item (SPEAR-HRT rocket). Testing requires a minimum of three rockets, requiring purchase of three boosters, three sustainers, and three payloads. Purchasing other brands of the 98mm/127mm solid rocket booster motor, 98mm/75mm sustainer motor, and payload avionics components would cause compatibility issues, require a completely new rocket to be purchased, and require re-engineering existing designs resulting in a failure to meet the needs of the department.
4. For the reasons listed above, the USMA Department of Civil and Mechanical Engineering requests that a brand name purchase of Space Launch Tech, LLC SPEAR-HRT Rocket (booster, sustainer, and avionics package).
5. If there are any questions, please contact the Contracting Officer at usarmy.drum.acc-micc.mbx.micc@mail.mil

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Contracting Officer
US Army, Mission and Installation
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