STATEMENT OF WORK

36 LRS/LGRM_ELECTRIC FORKLIFT PURCHASE

ON

ANDERSEN AFB, GUAM

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1. BACKGROUND

The 36th Logistics Readiness Squadron Materiel Flight (36 LRS/LGRM) requires the purchase of two Electric Forklift Reach Trucks for indoor warehouse use, including shipping and delivery to Andersen Air Force Base, Guam, installation and testing of one battery charging station, and removal and disposal of one existing charging station.

2. REQUIREMENTS:

2.1. SALIENT CHARACTERISTICS

a) The equipment system shall consist of the following components:
   i. Two Electric Forklift Reach Trucks
   ii. Two Batteries, One per Electric Forklift Reach Truck
   iii. One Battery Charging Station, including conduit, wiring, mechanical fasteners and all other items required to install an operational system.

b) Electric Forklift Reach Trucks Specifications:
   i. The rider-reach equipment system shall be provided to interface with warehouse storage racks.
   ii. CAPACITY: The truck, with a 24-inch load center, shall have a capacity between 3,000 to 3,999 pounds to a lift height of 16 feet.
   iii. RATE OF TRAVEL: The truck shall operate at continuously variable speeds in both the forward and reverse directions. It shall have a nominal travel speed of 5 to 6 miles-per-hour (mph).
   iv. PLUGGING: The truck shall be capable of "plugging", whereby the operator can slow or stop the truck by reverse movement of the speed control.
   v. LIFTING/LOWERING: There shall be no pulsating or jerky movement of the fork carriage when being raised or lowered at any speed. The hydraulic control system shall be damped, metered, or automatically regulated to reduce shock and prevent instability of the truck when the maximum capacity load is raised or lowered at maximum speed and then stopped suddenly.
   vi. STEERING: Power steering shall be provided. Steering shall be accomplished by a hand operated steering crank or a round steering wheel equipped with a steering knob for convenient operation.
   vii. REACH MECHANISM: A pantograph type, hydraulic controlled reach mechanism shall be provided to extend the forks a minimum of 22.5 inches from the fully retracted position with a load of 3,000 to 3,999 pounds. In the fully extended position, the bend in the forks shall extend beyond the truck outriggers. The reach mechanism shall be capable of operating at all lifting heights with up to the rated capacity load.
   viii. FORK CARRIAGE: The fork carriage shall be equipped with a hydraulic controlled tilt mechanism, hydraulic controlled sideshift mechanism, and a load

backrest. Tilt and sideshift mechanisms shall be designed to operate in all reach positions and at all lifting heights, with up to the rated capacity load.

ix. TILT MECHANISM: A hydraulic controlled tilt mechanism shall be provided. The tilt mechanism shall be capable of a minimum 2 degree forward and 4 degree rearward tilt.

x. SIDESHIFT MECHANISM: A hydraulic controlled sideshift mechanism shall be provided. Sideshift mechanism shall be capable of positioning the fork carriage two inches to either the right or left of the center position. Total sideshift travel shall be 4 inches.

xi. LOAD BACKREST: The fork carriage shall be equipped with a load backrest. Load backrest shall be fabricated of steel and shall be a minimum 36 inches high.

xii. FORK TINES: Forks shall be minimum 4 inches wide by 42 inches long, forged steel. Fork spacing shall be adjustable.

xiii. WHEELS: Wheels shall clear the truck structure by at least 1/4-inch under all conditions of operation. All tires shall be non-marking, solid polyurethane or non-marking, solid rubber molded onto a steel band pressed onto flat-faced wheels.

xiv. OPERATOR’S COMPARTMENT: The flooring shall have a nonskid, low-fatigue surface. The operator's compartment and controls shall be arranged so that no part of the operator's body shall extend beyond the outside plane of the truck during normal operation.

xv. OVERHEAD GUARD: The operator's compartment shall be protected by a steel overhead guard which meets the requirements of ANSI B56.1A.

xvi. DEADMAN BRAKE: The operator shall depress the deadman pedal before any truck activity can be initiated. The brake pedal, when depressed to fully release the brake, shall be in a horizontal position and flush with the floor of the operator's platform.

xvii. HOUR METER: An electrically operated hour meter shall be provided to register cumulatively the duration of truck activity. The hour meter shall be capable of displaying a minimum of 9999 hours.

xviii. BATTERY DISCHARGE INDICATOR: A battery discharge indicator shall be installed to sense an 80 percent discharge condition of the battery. The device shall inhibit lift capabilities when an 80 percent discharge condition exists.

xix. KEY SWITCH: A key switch shall be provided to energize and deenergize the truck electrical circuits.

xx. HORN: The truck shall be equipped with a push button electric horn.

xxi. POWER SOURCE: The Contractor shall furnish and install all necessary wiring and equipment for power distribution to the battery charger from an existing electrical panel.

xxii. BATTERY SYSTEM: When a discharged battery must be charged, the truck shall be positioned adjacent to the battery charger and the charging cables attached to the battery. The battery and charging equipment shall be a minimum 24 volt system.

xxiii. BATTERY: The truck shall be supplied with a lead-acid battery, rated at a minimum of 24 volts. It shall have a minimum ampere hour capacity for a continuous full eight hours of operation without recharging or replacement.

xxiv. BATTERY CONNECTORS: The truck shall be equipped with connectors to connect the battery to the truck circuit and to the battery charging station. Connector halves shall be color coded, labeled or marked to clearly indicate polarity. Connector halves shall be constructed to permit only proper connection of polarities.

xxv. WARRANTY: The Contractor shall provide a Standard Commercial Warranty on all supplied equipment, batteries, and charging stations. The Contractor must utilize an authorized, certified on-island warranty and maintenance/repair service provider located on Guam.

c) BATTERY CHARGING STATION
   i. One battery charging station shall be furnished with the system. The charger shall supply a charge to the battery capable of powering the truck for a minimum of eight hours of continuous operation. The charger shall reduce to a trickle charge once the battery is fully charged. The charger shall be equipped with automatic means to prevent overcharging of a partially or fully charged battery. The charger supply voltage will be 208 volt, 3 phase, 60 hertz.

2.2. DESCRIPTION OF SERVICES

The Contractor shall provide all labor, materials, equipment, and transportation necessary to remove and dispose of one (1) existing battery charging station and install one (1) new battery charging station. Additionally, the Contractor shall a perform complete system operational check for the forklifts and charging stations.

a) REMOVAL AND DISPOSAL: The Contractor shall safely disconnect and remove the existing battery charging station. The Contractor shall dispose of the decommissioned equipment in accordance with all applicable local, state, and federal environmental regulations.
b) INSTALLATION: The Contractor shall furnish and install all necessary conduit, wiring, mechanical fasteners, and equipment to connect the new charging station to the existing electrical panel (208/120 Volts 3Phrase / 4W (wattage) with DC output voltage for 24/36/48 range. The Contractor shall ensure the system is fully operational.
c) FUNCTION CHECK AND COMMISSIONING: The Contractor shall execute a comprehensive testing protocol to verify all components perform to specification before official acceptance by the government or client.

2.3. DELIVERY INFORMATION:

Delivery Address and Place of Performance:

36 LRS Base Supply

Bldg 18002 Arc Light Blvd
Andersen AFB, Yigo, Guam 96929

Required Delivery Date**:** 180 Days After Award

3. LIABILITY:

The contractor shall be liable for any damages resulting from any carelessness or failure to follow proper safety, installation, engineering, or maintenance procedures and standards.

3.1 GOVERNMENT FURNISHED SERVICES:

The government will provide emergency medical transportation and treatment if required. The contractor shall reimburse the Government for the cost of these medical services at current rates.

4. GENERAL INFORMATION

4.1 HOURS OF OPERATION:

The normal hours of operation for the project are from 0730 to 1630, Monday through Friday, excluding holidays and PACAF Family days.

4.2 CONTRACTOR PERSONNEL:

The contractor shall provide point of contact (POC) for all contractual matters during all hours of operation. The POC shall respond on-site within 1 hour during normal duty hours of operation and within 2 hours during non-duty hours to discuss concerns with government personnel designated by the CO to discuss problem areas.

5. SECURITY

5.1 PASS AND IDENTIFICATION ITEMS:

The contractor shall ensure the pass and identification items required for contract performance are obtained for employees.

5.2 RETRIEVING IDENTIFICATION MEDIA:

The contractor shall return all identification media and/or visitor passes from employees who depart for any reason before the contract expires; i.e. terminated for cause, reassignment, retirement, etc.

5.3 TRAFFIC LAWS:

The contractor and its employees shall comply with base traffic regulations. Traffic regulations include, but are not limited to:

· Employees shall wear seatbelts when operating or riding in any vehicle (military, company or private owned) while on installation.

· Speed limits on Andersen AFB are 25 MPH unless otherwise posted. Be aware of reduced speed limits and exercise caution when driving in base housing and school zones.

· All vehicle operators on the installation shall not use cell phones unless the vehicle is safely parked or they are using a 100% hands free device. The wearing of any other portable headphones, earphones or other listening devices while operating a motor vehicle is prohibited.

5.4 WEAPONS, FIREARMS, AND AMMUNITION:

Employees are prohibited from possessing weapons, firearms, or ammunition on themselves or within vehicles (military, contractor-owned, or privately owned) while on Andersen AFB.

5.5 FOR OFFICIAL USE ONLY (FOUO):

The contractor shall comply with DoD 5400.7-R, Chapter 4, DoD Freedom of Information Act (FOIA) Program, requirements. This regulation sets policy and procedures for the disclosure of records to the public and for marking, handling, transmitting, and safeguarding FOUO material.

5.6 REPORTING REQUIREMENTS:

Contractor personnel shall report to an appropriate authority any information or circumstances of which they are aware may pose a threat to the security of DoD personnel, contractor personnel, resources, and classified/unclassified defense information. Employees shall be briefed by their immediate supervisor upon initial on-base assignment.

5.7 PHYSICAL SECURITY:

The contractor shall be responsible for safeguarding all Government property and controlled forms provided for contractor use. At the end of each work period, all Government facilities, equipment and materials shall be secured.