

**ADDENDUM #1  
TO  
REQUEST FOR QUOTATION, RFQ #FT071322  
FOR  
FORKLIFT TRUCKS**

**SOUTH CAROLINA PORTS AUTHORITY**

**JULY 25, 2022**

**General**

1. This Addendum shall supplement, amend, and become part of the Request for Quotation. All Quotes shall be based on these modifications.

**Specific**

**I. Revised Specifications for 36,000 LB Capacity Forklift Trucks**

Please see attached Minimum Design Parameters – Rev 1 for:

1. 36,000 LB Capacity Forklift Truck / Non-Chassis Rotator
2. 36,000 LB Capacity Forklift Truck / Chassis Rotator

**End of Addendum No. 1**

**SOUTH CAROLINA STATE PORTS AUTHORITY****36,000 LB. CAPACITY FORKLIFT TRUCK / NON-CHASSIS ROTATOR****TIRES BEING SOLID PNEUMATIC****MINIMUM DESIGN PARAMETERS – REV 1**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 36,000 pounds with 48" load center.

**CARRIAGE:** To include dual function side shift and fork positioner. Side load rollers preferred on carriage, instead of wear pucks.

**MAST:** Max lift height not less than 157", lowered mast height not more than 160". 2Stage **This unit will not be utilized for chassis rotator use.** Mast Channels should maximize operator visibility. Constructed with side load rollers is Preferred. Hose group over mast, capable of supplying necessary hydraulics for fork mounted attachment.

**OPERATORS COMPARTMENT:** Climate controlled (**with high performance air conditioning**). All function controls to be ergonomically designed, adjustable arm rest, and swivel operators' **seat with full suspension**, all adjustable to fit any size operator. Cab must be designed to tilt for service access. Window vent shades are preferred to reduce cab heat.

**FORKS:** The truck shall be equipped with heavy-duty 8' standard tapered forks. Preferred forks are hook type hang on. Should have an option for "full tapered chamfer forks"

**HYDRAULICS:** Tilting, hoisting, side shift, fork positioning and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for fork mounted attachment.

**ENGINE:** **The engine must be diesel powered. Preferably Cummins powered. Tier Certified to meet the latest EPA emissions and fuel economy requirements. Include fuel system with a fuel/water separator.** If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display

cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions.

**TRANSMISSION:** Shall be elect controlled power shift type, to include neutral safety protection. Including controlled modulation for directional reversal to protect drive line components. Operator controlled inching for precise position control. Include oil cooler and easy access to filters. If Lift is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes.

**TIRES:** Solid pneumatics.

**BRAKES:** Service brakes are preferred to be hydraulic oil cooled wet disc. Service bakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. If brake cooling is achieved via the hydraulic system a low-pressure filter on the brake return circuit is preferred. Include two brake pedals (**left pedal brakes and inching, right pedal brakes only**).

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

**WARRANTY:** Provide details on warranty of full truck and power train.

**LITERATURE:** **Two copies/One PDF or CD & One hard copy:** operator's instruction manual, service/ repair manual, and parts book shall be furnished for each piece of equipment at the time of delivery. If special attachment is specified or required, an instruction manual service/ repair, and parts book shall be furnished for each attachment at the time of delivery. Two copies- 1=PDF or CD 1=Hard Paper Back or Binder

**OPERATOR TRAINING:** To include proper pre-checks, safety, and operational training of all functions by an experienced factory trained representative.

**SERVICE/MAINTENANCE:** Provide information about any **Diagnostic equipment/ software and necessary cords or adapters for all systems**. An experienced factory trained service representative to instruct the State Ports Authority's mechanics in the following: (1) Preventive Maintenance, (2) Major repairs, including engine and transmission (3) Periodic Service (4) Diagnostic systems adjustment's and troubleshooting for all systems. (5) Mechanic's training to be on or near the Authority premises. Indicate if any of above requested service/maintenance information would or could be provided at an additional cost.

**ALSO INCLUDE:**

- Lead times and expected delivery date / continuous updates on any delivery delays
- Backup Alarm, Tow Coupling, Work lights (front and rear), Brake lights and Strobe lights.
- Clear Rain Caps for overhead guards / Lift trucks without an enclosed cab.
- List any additional safety options and pricing. Finger controls
- Provide a safe and convenient point for rigging the counterweight for removal.
- Highly audible horn,
- Fire extinguisher with mounting bracket
- Hydraulic Accumulator / Hydra-Smooth
- Low Fuel Indication

**PLEASE INDICATE THE FOLLOWING INFORMATION WITH YOUR RFQ**

- Any systems that are not standard equipment or that your brand lift truck considers an upgrade from the standard lift truck.

Examples: Mast, Cab, Hydraulics, Transmission, Differential, Brakes, Cooling System.

- If any of the above listed systems have the choice to upgrade from a “standard option” to an “upgraded option”, list the option and the additional cost. Provide information for the reason or benefit of the upgrade.
- Provide all information/literature about any system or component listed above that may be included on this lift truck as “Standard” equipment by your lift truck manufacture but may not be offered as a Standard by other lift truck manufactures.
- Quote should be good for 90 days.

**GENERAL:** Name plates will need to be provided by the lift truck manufacture for fork blades and attachments purchased to be utilized by this lift truck. Nameplate must bear statement Meets current design specifications of ANSI. Any equipment provided that does not meet all applicable safety standards including the posting of such compliance on the nameplate of the equipment will not be acceptable. **Attachments- Nameplates must also bear statement- showing specifications for forks or other lift truck mounted attachments.**

**SOUTH CAROLINA STATE PORTS AUTHORITY****36,000 LB. CAPACITY FORKLIFT TRUCK / CHASSIS ROTATOR****TIRES BEING SOLID PNEUMATIC****MINIMUM DESIGN PARAMETERS – REV 1**

The requested equipment shall be **new** and of manufacturer's current model and should at least meet or exceed the following specifications:

**CAPACITY:** The lift truck shall be rated at 36,000 pounds with 48" load center.

**CARRIAGE:** To include dual function side shift and fork positioner. Side load rollers preferred on carriage, instead of wear pucks.

**MAST:** Max fork height not less than 157", lowered mast height not more than 180". **THIS UNIT WILL BE UTILIZED AS A CHASSIS ROTATOR.** Mast Channels should maximize operator visibility. Constructed with side load rollers is Preferred. Hose group over mast, capable of supplying necessary hydraulics for fork mounted chassis rotator attachment.

**OPERATORS COMPARTMENT:** Climate controlled (**with high performance air conditioning**). All function controls to be ergonomically designed, adjustable arm rest, and swivel operators' **seat with full suspension**, all adjustable to fit any size operator. Cab must be designed to tilt for service access. Window vent shades are preferred to reduce cab heat.

**FORKS:** The truck shall be equipped with heavy-duty 8' standard tapered forks. Preferred forks are hook type hang on. Should have an option for "full tapered chamfer forks"

**HYDRAULICS:** Tilting, hoisting, side shift, fork positioning and steering shall be by hydraulic power controls with power derived from a hydraulic pump directly coupled to the engine or transmission, without the use of belts or other drives requiring adjustments. An efficient replaceable breather filter on the hydraulic oil reservoir and a full flow pressure by-pass type system filter shall be provided. Additional or external cooler preferred for hydraulic cooling. The truck shall have control valve and hose group, capable of supplying necessary hydraulics for fork mounted chassis rotator attachment. Hydraulics for Clamping and Rotating is required for the chassis rotator.

**ENGINE:** The engine must be diesel powered. Preferably Cummins powered. Tier Certified to meet the latest EPA emissions and fuel economy requirements. Include fuel system with a fuel/water separator. If equipped with a PCM, ECM or EMS there should be allowed access to on board diagnostics for fault codes and drivability concerns. Preferred method would be to access all codes from an onboard display cluster. Additional prefiltering is preferred to aid in reducing engine air filter clogging. Please quote as an option.

**COOLING SYSTEM:** The engine shall be equipped with a heavy-duty tube and fin type radiator to provide cooling under adverse conditions.

**TRANSMISSION:** Shall be elect controlled power shift type, to include neutral safety protection. Including controlled modulation for directional reversal to protect drive line components. Operator controlled inching for precise position control. Include oil cooler and easy access to filters. If Lift is equipped with a transmission controller that has fault code capability, there should be allowed access to diagnostic fault codes.

**TIRES:** Solid pneumatics.

**BRAKES:** Service brakes hydraulic oil cooled wet disc. Service bakes shall be equipped with heavy-duty braking components that will provide sufficient braking under adverse conditions. If brake cooling is achieved via the hydraulic system a low-pressure filter on the brake return circuit is preferred. Include two brake pedals (**left pedal brakes and inching, right pedal brakes only**).

**COLOR:** Lower truck shall be DuPont (or equal) blue enamel #7165-A, up to floorboards. Cab shall be DuPont (or equal) white enamel # 4195-A.

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**ALSO INCLUDE:**

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- Highly audible horn,
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