

DEPARTMENTAL INPUT

CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

New
 OTR
 Sole Source
 Bid Waiver
 Emergency
 Previous Contract/Project No. 9603-0/13

Contract
 Re-Bid Other
 LIVING WAGE APPLIES: YES NO

Requisition No./Project No.: RQMT1600010
 TERM OF CONTRACT: 1 YEAR(S) WITH 0 YEAR(S) OTR

Requisition /Project Title: PURCHASE 4 DIESEL POWERED FORKLIFTS

Description: Purchase of (4) 6,000 lb diesel powered forklifts for DTPW.

Issuing Department: DTPW
 Contact Person: Daryl Hurston
 Phone: 786-469-5370

Estimate Cost: \$180,000.00

Funding Source:
 GENERAL
 FEDERAL
 OTHER

FTA

ANALYSIS

Commodity Codes:	560-75			
Contract/Project History of previous purchases three (3) years Check here <input type="checkbox"/> if this is a new contract/purchase with no previous history.				
	EXISTING	2ND YEAR	3RD YEAR	
Contractor:				
Small Business Enterprise:				
Contract Value:	\$	\$	\$	
Comments:				

Continued on another page (s): YES NO

RECOMMENDATIONS

	Set-aside	Sub-contractor goal	Bid preference	Selection factor
SBE				

Basis of recommendation:

Signed: 	Date sent to SBD:
Copy to: oca@miamidade.gov	Date returned to DPM:

Memorandum



DATE: April 19, 2016

TO: Alice N. Bravo, P.E., Director
Transportation and Public Works (DTPW)

THRU: Delise Miller, Chief
Office of Civil Rights and Labor Relations

FROM: Nathaniel Surrancy, Manager
Disadvantaged Business Enterprise (DBE)
Office of Civil Rights and Labor Relations

SUBJECT: DBE Goal Recommendation For:
PURCHASE OF DIESEL POWERED FORKLIFTS (IRP230)

Pursuant to 49 CFR Part 26, the Department of Transportation and Public Works (DTPW) is preparing a solicitation to purchase four (4) Diesel Powered Forklifts. The total cost of this FTA-assisted purchase is \$180,000.00, which includes delivery.

According to the scope of purchase, the forklifts will have a 6,000 lbs. lifting capacity and will allow bus maintenance technicians to continue performing essential maintenance functions on DTPW's rolling stock in a safe and reliable manner. These high capacity forklifts come equipped with a seatbelt and overhead guard for the seated-operator, which meets all applicable OSHA and ANSI standards.

Accordingly and based on the foregoing, we do not recommend a DBE goal for this purchase.

Should you have any questions, please do not hesitate to contact me at (786) 469-5405.

Approval: _____

A handwritten signature in black ink, appearing to read "Alice N. Bravo".

Alice N. Bravo, P.E., Director

Conformed copies to:
Jesus Valderrama, DTPW
Tina Golden, DTPW
Daryl Hurston, DTPW
File

3.0 SCOPE OF WORK

These specifications define the requirements for the procurement of four (4) ready to use diesel powered 6,000 lb. forklifts for Miami-Dade Transit (MDT) Department. The forklifts shall be a seated operator type forklift, equipped with seat belt and overhead guard. They shall meet all applicable OSHA and ANSI standards. These forklifts are not intended for revenue generating purposes and will be used in and around bus maintenance garages located in Miami-Dade County. This environment includes sub-tropical climate, grease, solvents, dust, and ground debris.

3.1 MINIMUM REQUIREMENTS:

3.1.1 Capacity and Performance

The unit shall have a minimum of 6,000 lb lifting capacity at a 24 inch load center and rated capacity capable of lifting at least 1,500 lbs to a height of 210 inches minimum at a 72 inch load center using the boom described in Section 3, Paragraph 3.1.3.1. This capacity shall include operation in the shifted mode. All ratings on the machine and in its brochures should acknowledge these minimum lift standards at 210 inches of fork height, and be inclusive of all usable tilt angles. Travel speed shall be 10 mph minimum fully loaded on a hard smooth level surface.

3.1.2 Uprights

The uprights shall have a minimum tilt capability of 6 degrees forward and 6 degrees rearward. The uprights lowered (overall height with mast closed or lowered) shall not be greater than 130 inches.

3.1.3 Forks

Forks shall be 72 inches in length, be constructed of heavy duty forged steel, and meet or exceed maximum load capacity of the unit. Mast shall be furnished with adjustable fork carriage with provision for locking forks in position to prevent the forks from drifting on the carriage during operation. Side shifter shall have the capacity to shift forks at least 3 inches left and right.

3.1.3.1 Lifting Boom

A lifting boom shall be provided with each forklift unit. The lifting boom shall be telescoping with an extended length of 72 inches minimum and a rated capacity of 6,000 lb minimum. The lifting boom shall be Lift Master Booms, Model LMS-EBT-46-6 (Shorty Telescoping), manufactured by Vestil Manufacturing Company, or approved equal.

3.1.3.1.1 Salient Characteristics

The Salient Characteristics of the Lift Master Booms, Model LMS-EBT-46-6 (Shorty Telescoping) are:

- Telescopic unit extends to a minimum of 72 inches.
- Maximum weight of 300 lb.
- Infinite adjustable locking screw.
- Usable fork pockets for minimum of 6,000 lbs capacity.

- 36 inch safety restraint from boom to fork truck.

3.1.4 Chassis

The forklift shall have a chassis with frame and suspension designed to meet the specified performance and capacity requirements as recommended by the manufacturer to accommodate this application. Materials used for structure and body shall be inherently corrosion resistant or adequately protected from corrosion. Driver's seat shall be plastic or vinyl upholstered with back support and seat belt. The load rating for axles and tires shall be no less than the gross vehicle weight.

3.1.4.1 Dimensions

Forklift shall have a maximum overall width of 89.5 inches and maximum overall length of 200 inches. Ground Clearance shall be 4 inches minimum at lowest point and at center of wheelbase.

3.1.5 Power Plant

Power plant shall enable the forklift to meet the specified performance and capacity requirements. The power plant cooling system shall be adequate capacity for continuous use at ambient temperature of 110 degrees F. Power plant requirements are based on diesel engine package.

3.1.5.1 Engine

The unit shall have a diesel engine approved by the EPA to the latest applicable standards and recommended by the forklift's manufacturer for the weights and tasks specified and have at a minimum the following equipment:

- Oil and fuel filters (spin on type).
- Air cleaner with restriction indicator (dry replacement element)
- Oil pressure gauge
- Engine coolant temperature gauge
- Fuel gauge
- Battery charge gauge (volt or amp meter)
- Engine hour meter

The engine shall be equipped with an automatic shutdown. Automatic shutdown shall occur when parameters established by the manufacturer for low oil pressure, high coolant temperature and low coolant level are out of operating range. Shutdown systems that only de-rate are not acceptable.

The fuel system shall have a minimum of 10 gallons fuel capacity and shall be compatible with biodiesel fuel. The forklift shall be delivered with at least 5 gallons of fuel.

3.1.6 Transmission

The unit shall have automatic transmission with forward and reverse ranges and a transmission cooling package recommended by the manufacturer for this application. The unit shall have slow speed (inching) capability.

3.1.7 Hydraulic System

The hydraulic system shall be equipped with oil cooler and a reservoir of sufficient capacity to allow continuous operation without overheating of the oil. The hydraulic system shall have a spin on replaceable oil filter.

3.1.8 Electrical System

The unit shall have an on/off key switch, and shall have a 12-volt negative ground electrical system with heavy duty maintenance free battery. The unit shall have color coded wiring with fuses or circuit breakers to protect circuits. The unit shall be equipped with headlights, tail lights, stop lights, 4-way flashers, and amber strobe light located as recommended by the manufacturer for this application.

3.1.9 Brakes

The unit shall be equipped with service brakes and parking brake.

3.1.10 Steering

Power steering is required.

3.1.11 Wheels

The unit shall have puncture proof pneumatic load tires as recommended by the manufacturer for this application. Wheels shall be removable without disturbing the wheel bearings.

3.1.12 Safety

Unit shall have:

- Horn and back-up alarm.
- Controls that return to neutral when released.
- A bracket mounted ABC fire extinguisher in a location easily accessible to the operator.

3.1.13 Paint Color

DOT Safety Yellow

3.1.14 Manuals

The awarded bidder shall supply the County with a minimum of six (6) comprehensive owner's manual which describes the appropriate use of the equipment purchased, and six (6) comprehensive repairs and parts manuals which identify the component parts and which describe the appropriate process for repairing the equipment purchased. The repairs manuals shall include electrical schematics specific to the units delivered. These manuals may be provided in the form of books or CD. As an alternative, these manuals may also be provided to the County via online with free unlimited access to read and print as needed.