



# GUAM SOLID WASTE AUTHORITY



**LOURDES A. LEON GUERRERO**  
Governor of Guam

**JOSHUA F. TENORIO**  
Lt. Governor of Guam

**IRVIN L. SLIKE**  
General Manager


October 18, 2024

**INVITATION FOR BID**  
**GSWA-019-24**  
**24 CUBIC YARD SIDE LOADING REFUSE TRUCK**

**AMENDMENT NO. 3**

Amend to replace pages 28 to 34 with the "Revised 10/18/2024" attached.

\*All others remain the same.



**Irvin L. Slike,**  
General Manager

**ACKNOWLEDGEMENT RECEIPT**

Return to GSWA by email or fax.

Received By: \_\_\_\_\_

Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Fax to: 671-649-3777

Email: [procurement@gswa.guam.gov](mailto:procurement@gswa.guam.gov)



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ITEM NO.	DESCRIPTION	QTY	UOM	UNIT PRICE	PRICE EXTENSION
1.	24 Cubic Yard Refuse Truck with Side Loader	1	EA	\$ _____	\$ _____

### SPECIFICATIONS:

Indicate on each line of the technical specifications whether or not each item complies with the specification or an exception is being taken. If additional space is required to fully explain bid exceptions, attach additional typed page(s) to the bid submittal indicating the section number and subsection that has the exception, and provide explanation.

COMPLY / NON-COMPLIANCE

**Packer Body:**

Refuse body to be a minimum of 24 cubic yard capacity

Hopper capacity to be a minimum of 4 cubic yards capacity  
With release valve at bottom of hopper for quick evacuation of  
Fluid build-up in the hopper

Packer body shall meet ANSI standard Z-245.1

The structural integrity of the body shall be designed to withstand load densities of 900 lbs. per cubic yard of compaction minimum

Packer controls in cab and outside of packer body. All control levers for the valves must conform to ANSI Z245-1

**Body Construction:**

Body Side: 10 ga-80,000 psi minimum

Body Roof: 10 ga-80,000 psi minimum

Body Floor: 3/16" – 50,000 psi minimum

Body may include a channel shaped floor member that provides height above the chassis frame for the axle deflection. This channel member will run the full length of the body from front to rear; or the body may be of a flat one piece floor with no channel with a height above chassis for axle deflections to provide by 8" x 3" rectangle tube sills, full length

**Packing Mechanism Construction:**

Total cycle time of 18 seconds minimum at idle or 14 seconds minimum at 1400 RPM.

Efficient loading and packing mechanism that saves minimum 20% fuel consumption

Total re-load time no more than 9 seconds



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COMPLY / NON-COMPLIANCE

Tailgate latches shall be hydraulically operated and work in conjunction with the tailgate lift cylinders. Independent operation of the tailgate latches from the tailgate lift cylinders is also accepted but not required.

Manual or auxiliary automated latch systems

Lifters and compactor must be able to cycle simultaneously

**Ejection System:**

Full ejection unloading method only; Dump style bodies are not acceptable

The ejector panel shall travel on urethane guide shoes. Use of rollers for the operation of the ejector panel is acceptable

Portions of the ejector panel may extend beyond the rear body plane, including design features such as a bull nose or cylinder housing

**Control/Lighting:**

Two (2) Flashing red lights at rear of packer body

Four (4) flood lights to be installed at rear of packer body

Two (2) to be mounted at the top of the tail gate

Two (2) to be mounted above rear packer controls and riding steps

Controls to be mounted at rear by packer control

These lights are to be grommet mount style for shock absorbance and ease of maintenance

**Color:**

Packer Body shall be white

**Painting:**

Two coats of automotive grade primer and enamel shall be applied to provide an extra barrier against rust and corrosion

**Fuel:** Compatible with diesel fuel sold on Guam and B100 ASTM D6751

**Transmission:**

Allison 4500 RDS Transmission, 6 speed Allison World Transmission automatic, Rugged Duty Service; Allison output function "s" – Neutral Indicator for PTO or equal

Allison transmission fluid test port with remote coupler or equal

**Axels:**

Front: Minimum 20,000 lbs. with 22,000 lbs. springs



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COMPLY / NON-COMPLIANCE

Rear: Minimum 46,000 lbs. Hendrickson HMX 460  
Suspension or equal; Axle load ratings shall comply with  
Guam weight law

**Tires:**

Front: 315 80R/22.5" tire 20 Ply; 22.5" by 9" aluminum wheel  
with 3.12" inset using an Alcoa #893657 LVI finish

Rear: 11R 22.5" Tires 16 Ply; 22.5" aluminum wheel using an  
Alcoa #883677 LVI finish

**Cab:**

Cab Forward with complete rust proofing including cab  
undercoating with a three (3) year corrosion and five (5) year  
structural guarantee

Cab to be fully welded, two sided galvanized all steel structure  
for maximum strength, safety, and corrosion resistance

Front windshield with curved corners having a minimum of  
2,033 square inches for maximum visibility

Rear corner windows in B-Pillars post for maximum visibility  
and safety

Minimum of 62 inches from bumper to back of cab

Cab Forward Fabric Air Ride Mid Back Driver Seat

Fabric Non-air ride low back passenger seat

Fresh air conditioner

Fixed Rear Window with BOC STD tint

Radio with auto mute when transmission is in reverse

Rain gutters over both doors

Engine Oil Pressure and Coolant Gauges; oil temperature gauge

Fuel gauge, Ammeter, Speedometer, Odometer, Hour Meter

Cab shall be painted white both outside and inside

Roof mounted double air horn

Steering wheel horn

Ten (10) pound fire extinguisher mounted in cab

First aid kit mounted in cab



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COMPLY / NON-COMPLIANCE

Adjustable Sun shield (visor) for driver and passenger

Thermal insulator to shield cab from engine heat

**Brakes:**

Brake system to service refuse service; rear brake camshaft reinforcement

Brake warning system

Anti-lock braking system (ABS)

Air cam front

Drum brakes 16.5 x 7

454 M Air Cam Rear Drum brakes 16.5 x 8.6  
60 psi or less for air pressure

Air dryer manual, slack adjuster, air dryer, and 18.7 CFM (minimum) air compressor

**Steering:**

Dual-seated / dual-drive configuration for operation from the right or left-hand side of cab; minimum turning radius of 31 feet

Power Steering

**Chassis:**

Chassis shall be painted black

Aluminum 75 gallon fuel tank

High pressure gear type hydraulic pump; PTO to be air shifted with switch on dash board with indicator light.

**Cable operated PTO not acceptable**

Frame made of full double channel or equivalent and shall be of such a design and strength characteristic as to meet standard practice for trucks of same general load. Any secondary manufacturing process that modifies the original frame bidder shall guarantee the performance of workmanship and material resulting from such modification. All modifications to the factory chassis frame shall be listed in the bid

Equipped with front double acting shock absorbers compatible with manufacturer's gross vehicle weight rating

Bumper shall be of pressed steel channel or equivalent material at least 3/16ths of an inch thick and 8 to 10 inches in height with two pin

Exhaust shall be right hand vertical



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COMPLY / NON-COMPLIANCE

**Mirrors:**

One (1) Corrosion Resistant mirror on driver's side and one (1) Corrosion resistant mirror on passenger side

Eight (8) inch convex mirrors center mounted under vertical

Mirrors shall be motorized to move left and right

**Camera:**

Rear camera with ten (10) inch screen equipped with thermal/night vision for use when vehicle is backing up. Radio automatically shuts off when vehicle in reverse

Camera shall be installed by the side loader hopper for enhanced visibility and safety

**Engine:**

Engine shall meet the refuse industry standard for load capacity and weight

Minimum 320 horse power @ 21000 rpm / 1,150 ft. lbs of torque

12 volt starter

Standard auxiliary outlet

Battery disconnect switch mounted on battery box

Engine Radiator 1300 square inch dual core minimum for maximum cooling capacity

**Hydraulics:**

Hydraulic pump shall be a fixed displacement rated at no less than 2,750 psi working pressure and have sufficient capacity to equal 35-38 gpm flow at a reasonable engine rpm

Hydraulic pump shall be direct mount to a transmission driven clutch activated PTO

Hydraulic reservoir capacity shall be a minimum of 50 gallons

The suction line at the reservoir outlet shall incorporate a shut-off valve. A ball style shut-off valve is preferred, but a butterfly valve is also acceptable.

Visual site gauge for monitoring the hydraulic oil level and temperature shall be furnished. A site glass with a temperature reading displayed on the control screen is acceptable.

One hundred mesh suction strainer and a 10 micron in-tank style return line filter shall be furnished

Return filter will have a visual indicator to show when the element needs to be changed

All directional control valves must be of adequate flow capacity which keeps system back-pressured to a minimum



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## COMPLY / NON-COMPLIANCE

A speed-up switch shall interface with the engine throttle advance to ensure the recommended engine speed is obtained when the packing mechanism is engaged. Alternative methods of control, such as on-demand throttle control through the refuse system, will also be accepted.

All control levers for valves must conform to ANSI Z245-1

**Wiring:**

A tailgate warning alarm and dash mounted light shall be incorporated and activate when the tailgate is raised

Body wiring interface to chassis wiring must be plug-in weather proof connectors. Splicing into chassis wiring is not acceptable

A speed-up auxiliary button shall be located at the front tailgate/eject valve location. However, if the speed-up functionality is automated and meets operational requirements, the auxiliary button may be omitted.

All wiring must be encased in split case style loom

Wiring harness connections shall be double seal automotive type

**Miscellaneous Items:**

Mud Flaps front and rear

Tool box

Locking fuel cap

Three sets of keys for each truck

One (1) operator's manual shall be provided per truck. The manual may be furnished on a CD, thumb drive, or through web access

One (1) complete illustrated parts book per truck on a CD, thumb drive, or through web access

One (1) shop repair manual per truck on a CD, thumb drive, or through web access

One (1) warranty manual per truck on a CD, thumb drive, or through web access

Manufacturer's training of GSWA crews (8 hours) and contracted mechanics (20 hours)

Delivered with a full tank of fuel

5-10 Gallon Pressurized Aluminum water tank with hose and nozzle to clean small spills; Located at the rear of the truck

**Warranty:**

Minimum three (3) years/36,000 miles bumper to bumper vehicle Warranty and five (5) years 60,000 mile limited power train warranty

Preventive maintenance service for three (3) years/36,000 miles, all parts and labor shall be included at no extra cost to GSWA

**Automated Lift Arm:**

Lift Capacity is 530 pounds minimum



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COMPLY / NON-COMPLIANCE

Cycle time is minimum 8 seconds at idle

Reach is 8 feet minimum, zero kick out ability

Ground Clearance is 20 inch minimum from grabber arms

Arm mechanism max weight is 2,640 pounds

Lift arm controls shall be joystick operated with either an air-over-hydraulic system with feathering ability or an electric proportional control system

Note: The GSA Federal Contract will be considered along with its terms and conditions if offered.

**Bidding On:**

Manufacturer: \_\_\_\_\_

Year: \_\_\_\_\_

Model: \_\_\_\_\_

Place of Origin: \_\_\_\_\_

Date of Delivery: \_\_\_\_\_