



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO
Governor of Guam

JOSHUA F. TENORIO
Lt. Governor of Guam

IRVIN SLIKE
General Manager



June 22, 2023

INVITATION FOR BID GSWA-003-23 24 CUBIC YARD REAR/SIDE LOADING REFUSE TRUCKS

AMENDMENT NO. 2

1. Amend page 2 of 37

From:

This bid shall be submitted in duplicate and sealed to issuing office no later than **(Time) 10:00AM Date: 6/29/2023**, and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. See attached General Terms and Conditions and Sealed Bid Solicitation for details.

To now read:

This bid shall be submitted in duplicate and sealed to issuing office no later than **(Time) 10:00AM Date: 7/11/2023**, and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. See attached General Terms and Conditions and Sealed Bid Solicitation for details.

2. Amend page 30 of 37

From:

Deadline for Receipt of Written Questions must be e-mailed to the Guam Solid Waste Authority at procurement@gswa.guam.gov , ATTN General Manager	Monday, June 5, 2023 on or before 5:00PM Chamorro Standard Time
Bid Due Date & Bid Opening at the Guam Solid Waste Authority Chief of Administration Office at GSWA Office, 2 nd Floor, 546 N. Marine Corps Dr. Tamuning, Guam.	Thursday, June 29, 2023 at 10:00 AM Chamorro Standard Time

To now read:

Deadline for Receipt of Written Questions must be e-mailed to the Guam Solid Waste Authority at procurement@gswa.guam.gov , ATTN General Manager	Thursday, June 29, 2023 on or before 5:00PM Chamorro Standard Time
Bid Due Date & Bid Opening at the Guam Solid Waste Authority Chief of Administration Office at GSWA Office, 2 nd Floor, 546 N. Marine Corps Dr. Tamuning, Guam.	Tuesday, July 11, 2023 at 10:00 AM Chamorro Standard Time



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3. Amend to replace pages 31 of 37 through 37 of 37 with the "Revised 6/22/2023 Page 32" through "Revised 6/22/2023 Page 44" 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



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ITEM NO.	DESCRIPTION	QTY	UOM	UNIT PRICE	PRICE EXTENSION
1.0	24 Cubic Yard Refuse Truck with Rear loader	1	EA	\$ _____	\$ _____
		2	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 3.9 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 up to 1,000 lbs. per cubic yard of
compaction

Hydraulic packer controls at rear 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 no more than: 20 seconds

Total re-load time no more than 9 seconds

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



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COMPLY / NON-COMPLIANCE

Riding, non-skidding steps and grab handles on each side of the hopper will be supplied

Tailgate latches shall be hydraulically operated working in conjunction with the tailgate lift cylinders or tailgate latches to work independently of the tail gate cylinders

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. Rollers are not acceptable

No portion of the ejector panel can extend beyond the rear body plane

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

Required Feature:

Two (2) roll cart lifters installed on rear hopper with controls on driver and curbside of the body. Lifters must be compatible for use with 95 gallon carts

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



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COMPLY / NON-COMPLIANCE

Transmission:

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

Allison transmission fluid test port with remote coupler

Axels:

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

Rear: Minimum 46,000 lbs. Hendrickson HMX 460 Suspension; 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 LV1 finish

Rear: 11R 22.5” Tires 16 Ply; 22.5” aluminum wheel using an Alcoa #883677 LV1 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 Allison 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



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COMPLY / NON-COMPLIANCE

Roof mounted double air horn

Steering wheel horn

Ten (10) pound fire extinguisher mounted in cab

First aid kit mounted in cab

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:

Left hand drive; 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



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COMPLY / NON-COMPLIANCE

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

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

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

Suction line at reservoir outlet shall incorporate a ball style shut off valve

Visual site gauge for monitoring the hydraulic oil level and temperature shall be furnished

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



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COMPLY / NON-COMPLIANCE

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

The front eject and tailgate lift valve shall incorporate the main system relief valve set at a maximum of 2,750 psi. The eject section of this valve shall be fitted with a hydraulic resistance valve which controls the ejection cylinder movement during operation for maximum load density

A speed up switch will interface with the engine throttle advance so the recommended engine speed is obtained when the packing mechanism is in engaged mode

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

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 hardcopy per truck

One (1) operator's manual on CD per truck

One (1) complete illustrated parts book per truck

One (1) shop repair manual per truck

One (1) warranty manual per truck
Manufacturer's training of GSWA crews (8 hours) and
contracted mechanics (20 hours)

Delivered with a full tank of fuel



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COMPLY / NON-COMPLIANCE

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 800 pounds minimum

Cycle time is minimum 8 seconds at idle

Reach is 9 feet minimum

Ground Clearance is 20 inch minimum from grabber arms

Arm mechanism max weight is 1,900 pounds

Lift arm controls are joystick air over hydraulic with feathering ability

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: _____



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ITEM NO.	DESCRIPTION	QTY	UOM	UNIT PRICE	PRICE EXTENSION
2.0	24 Cubic Yard Refuse Truck with Side Loader	1	EA	\$ _____	\$ _____
		2	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 4.5 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 20 seconds minimum

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

Riding, non-skidding steps and grab handles on each side of the hopper will be supplied

Tailgate latches shall be hydraulically operated working in conjunction with the tailgate lift cylinders or tailgate latches to work independently of the tail gate cylinders

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. Rollers are not acceptable

No portion of the ejector panel can extend beyond the rear body plane

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

Allison transmission fluid test port with remote coupler



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COMPLY / NON-COMPLIANCE

Axels:

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

Rear: Minimum 46,000 lbs. Hendrickson HMX 460
Suspension; 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 LV1 finish

Rear: 11R 22.5" Tires 16 Ply; 22.5" aluminum wheel using an Alcoa #883677 LV1 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 Allison 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:

Left hand drive; 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

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

Suction line at reservoir outlet shall incorporate a ball style shut off valve

Visual site gauge for monitoring the hydraulic oil level and temperature shall be furnished

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 will interface with the engine throttle advance so the recommended engine speed is obtained when the packing mechanism is in engaged mode

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

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 hardcopy per truck

One (1) operator's manual on CD per truck

One (1) complete illustrated parts book per truck

One (1) shop repair manual per truck

One (1) warranty manual per truck
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



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COMPLY / NON-COMPLIANCE

Automated Lift Arm:

Lift Capacity is 1,500 pounds minimum

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 1,900 pounds

Lift arm controls are joystick air over hydraulic with feathering ability

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: _____