

# **ATTACHMENT B**

**SINGLE REAR AXLE**

**SPECIFICATION NO.: 85CA-7CYDB-2201-1032/180**

**33,000 GVWR Truck, Conventional Cab and Chassis – 85" CA for a 7 CY Dump Body (purchased separately)**

33,000 GVWR truck, single rear axle, cab and chassis, 85" cab to axle, new and of current model, equipped as advertised by the manufacturer, to meet or exceed the following **MINIMUM** specifications:

**Truck Proposed:**      **Make:** \_\_\_\_\_ **Model:** \_\_\_\_\_

Non-Restrictive  
Clause:

Any use of brand name or equal within this specification is to be considered a reference for the purpose of describing the standard of quality, performance, and characteristics desired. It is not intended to limit or restrict competition.

**SPECIFICATIONS**

GVWR:                      33,000 lb. (minimum)

GVWR: \_\_\_\_\_

**Comply Yes/No:** \_\_\_\_\_

CA Dimension:              85" clear minimum

CA dimension: \_\_\_\_\_

**Comply Yes/No:** \_\_\_\_\_

Wheel Base:                152"

Wheelbase: \_\_\_\_\_

**Comply Yes/No:** \_\_\_\_\_

BBC:                        107" (minimum)

BBC dimension: \_\_\_\_\_

**Comply Yes/No:** \_\_\_\_\_

Axle to Frame:              63"

Axle to frame: \_\_\_\_\_

**Comply Yes/No:** \_\_\_\_\_

Engine:                      9-liter minimum, 370-horsepower minimum, water-cooled, diesel, minimum torque of 1,000 lb.-ft., meeting all current federal and EPA requirements

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

HP: \_\_\_\_\_ Torque: \_\_\_\_\_

**Comply Yes/No:** \_\_\_\_\_

Engine Protection:        Unit shall have automatic shutdown system to include oil pressure, oil temperature, coolant temperature.

**Comply Yes/No:** \_\_\_\_\_

Transmission: Heavy-duty, fully automatic, 6-speed with overdrive designed for on-road/off-road operations, geared for highway speeds up to 72 MPH with fully loaded truck

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

Type: \_\_\_\_\_ Speeds: \_\_\_\_\_

Comply Yes/No: \_\_\_\_\_

Brakes: Full air, disc, ABS with 4 channel/4 sensor/4 modulator configuration for front and rear axle compatibility, sized to meet all applicable state and federal safety standards for size, weight and application of truck

Brake system specified: \_\_\_\_\_

Rotor size: \_\_\_\_\_ Caliper size: \_\_\_\_\_

No. of caliper pistons: \_\_\_\_\_ Air tank capacity: \_\_\_\_\_

Air compressor size (GPM): \_\_\_\_\_ ABS system: \_\_\_\_\_

ABS configuration used: \_\_\_\_\_

Comply Yes/No: \_\_\_\_\_

Axle Rating and Suspension: Front – 12,000 lb. minimum, multi-leaf springs with shock absorbers – setback configuration, disc brake compatible hubs

Rear – 21,000 lb. minimum, multi-leaf springs – single-speed – with full locking wheel differential (anti-spin device), disc brake compatible hubs

Axle rating:

Front: \_\_\_\_\_ Rear: \_\_\_\_\_

Axle description:

Front: \_\_\_\_\_ Rear: \_\_\_\_\_

Gear ratio: \_\_\_\_\_

Comply Yes/No: \_\_\_\_\_

Cooling System: Heavy-duty, high-capacity radiator, silicone hoses

Comply Yes/No: \_\_\_\_\_

Electrical: 12-volt, 160-amp alternator. Two 12-volt maintenance free batteries, 1100 CCA

Alternator:

a. Manufacturer: \_\_\_\_\_

b. Amp rating: \_\_\_\_\_

Battery size and capacity: \_\_\_\_\_

Comply Yes/No: \_\_\_\_\_

Frame: All grade 8 bolts and hardware (preferred) or Huckbolts for assembly. Minimum 80,000 PSI high strength, low alloy steel

Section Modulus: \_\_\_\_\_ RBM: \_\_\_\_\_

Comply Yes/No: \_\_\_\_\_

Fuel System: 100-gallon (minimum) tank capacity (any configuration) dual stage fuel filters

Number of tanks: \_\_\_\_\_

Capacity per tank: \_\_\_\_\_

Comply Yes/No: \_\_\_\_\_

DEF Tank: 7-gallon frame-mounted, minimum

Number of tanks: \_\_\_\_\_

Capacity per tank: \_\_\_\_\_

Comply Yes/No: \_\_\_\_\_

Steering: Power – integral

Comply Yes/No: \_\_\_\_\_

Driveline: Heavy-duty u-joint

Comply Yes/No: \_\_\_\_\_

Tires: Front (2) – 12R22.5 HSR2 14PR load range G

Rear (4) -- 11R22.5 HSR2 14PR load range G

Must be rated equal to or higher than axle and suspension weight specifications and rated for top governed speed of 72 MPH

Front:

Brand: \_\_\_\_\_ Size: \_\_\_\_\_

Load Rating: \_\_\_\_\_ Speed Rating: \_\_\_\_\_

Rear:

Brand: \_\_\_\_\_ Size: \_\_\_\_\_

Load Rating: \_\_\_\_\_ Speed Rating: \_\_\_\_\_

Comply Yes/No: \_\_\_\_\_

Wheels: Front: Pilot 22.5 x 9, 10-hole disc, steel, hub piloted  
Rear: Pilot 22.5 x 8.25, 10-hole disc, steel, hub piloted

Must be rated equal to or higher than axle and suspension weight specifications and rated for top governed speed of 72 MPH, disc brake compatible  
Front:

Brand: \_\_\_\_\_ Size: \_\_\_\_\_

Load Rating: \_\_\_\_\_ Speed Rating: \_\_\_\_\_

Rear:

Brand: \_\_\_\_\_ Size: \_\_\_\_\_

Load Rating: \_\_\_\_\_ Speed Rating: \_\_\_\_\_

Comply Yes/No: \_\_\_\_\_

Back-up Alarm: Smart alarm system which is activated upon backward movement of the vehicle; audible above normal outdoor and construction sounds

Comply Yes/No: \_\_\_\_\_

Cab and Equipment: Conventional-type, steel or aluminum construction with fiberglass front hood and fender assembly, tilting hood and fender assembly with fixed grill for snowplow installation, equipped with door pads and back of cab pads for sound deadening and insulation.

All standard equipment including, but not limited to: five cab-mounted marker lights, deluxe high-back air suspended driver seat and fixed passenger seat, high-visibility orange safety belts, factory air conditioning and heater with defroster, outside assist handles both sides (if exhaust is in the way then an inside assist handle will be acceptable for the side affected), 12-volt dash-mounted accessory power outlet, direct reading gauges for oil pressure, water temperature and air pressure, tachometer, AM/FM Bluetooth stereo radio with hands-free option, dual air horns, warning lights and buzzers for air pressure, oil pressure and water temperature, RH and LH west coast mirrors, convex auxiliary mirrors (LH & RH), tinted glass all around, four-speed electric windshield wipers and washers with intermittent mode, tilt steering column, front tow hooks, heavy-duty front bumper, 7-pin electrical connector with enough harness to terminate at end of frame; to be hung on rear of cab. Four-wheel trailer air brake connections with enough hose to terminate at end of frame; to be hung on rear of cab. Hand control valve and tractor protection valve.

Comply Yes/No: \_\_\_\_\_

Paint: Manufacturer's standard white

Comply Yes/No: \_\_\_\_\_

#### ADDITIONAL REQUIREMENTS

Service: Unit shall be delivered fully assembled ready to operate. Factory-trained dealer representative is to inspect equipment on delivery and provide receiving MDOT equipment manager with information on operational, service, and maintenance requirements.

Acknowledge Yes/No: \_\_\_\_\_

Warranty: Clearly stated terms and conditions of all manufacturer warranties shall be included with the Statement of Qualifications (SOQ). Any and all materials, specialty equipment, or accessories that prove defective in normal operation within the warranty period shall be replaced or repaired by the manufacturer free of any and all cost to MDOT, including all material, labor, and transportation costs. Warranty replacement and/or repairs shall be furnished promptly by the successful bidder within a time period not to exceed thirty days. **The bidder shall provide written assurance with the SOQ regarding warranty repairs.**

The delivering dealer will have sole warranty responsibility (**all components**) for the first ninety days after acceptance of vehicle.

The manufacturer shall provide, with SOQ, a list of warranty service locations within the State of Mississippi for all components of the vehicle (A/C, body, chassis, electrical, etc.) which may need warranty repair beyond the first ninety days.

**Acknowledge Yes/No:** \_\_\_\_\_

Workmanship: Workmanship throughout the vehicle shall conform to the highest standard of commercially accepted practice for the class of work and shall result in a neat and finished appearance. The design of the body and equipment which the manufacturer proposes to furnish must provide a vehicle of substantial and durable construction in all respects.

All parts shall be new. Used, reconditioned, or obsolete parts will not be accepted.

**Acknowledge Yes/No:** \_\_\_\_\_

Parts Availability: Dealer name and location within the State of Mississippi (if applicable):

\_\_\_\_\_

Tests and Testing: The complete vehicle and all working and moving parts and operating devices shall be thoroughly tested and put in operating condition by the manufacturer.

Prior to acceptance of vehicle by MDOT, the manufacturer shall service and adjust vehicle for operation.

**Acknowledge Yes/No:** \_\_\_\_\_

Literature: Technical manuals: Operator's manual, service/maintenance manual, and parts book are to be made available in both hard copy and electronic (cd, flash drive, etc.) versions. One set of technical manuals shall be provided with each unit upon delivery. Additional manuals may be ordered at a later date.

Technical service bulletins: Successful bidder shall provide TSBs (technical service bulletins) for all equipment delivered to MDOT as they are published, regardless of the date of delivery. TSBs may be furnished in paper or electronic format, and shall be updated regularly.

The following additional information shall be provided by the vendor at time of delivery (electronically if possible):

Manufacturer's recommended service/preventive maintenance intervals  
Recommended fluids, lubricants, and their SAE equivalents

**Descriptive literature shall be furnished to substantiate the details specified in SOQ.**

**Acknowledge Yes/No:** \_\_\_\_\_

Certification: The manufacturer(s) shall furnish certification that this machine meets or surpasses current U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Regulations, U.S. Department of Transportation Federal Motor Vehicle Safety Standards (FMVSS), and any other applicable Federal regulations.

Acknowledge Yes/No: \_\_\_\_\_

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**NOTE:** Any company manufacturing, up-fitting, and/or selling a finished motor vehicle in the State of Mississippi must be in compliance with the rules and regulations of the Mississippi Motor Vehicle Commission prior to the bid opening. Any licensing will be verified prior to award.

A copy of licenses as required by the Mississippi Motor Vehicle Commission may be supplied with SOQ.

Dealers License Number: \_\_\_\_\_

Manufacturers License Number (where applicable): \_\_\_\_\_

Application and contact information may be attained through the internet at  
<http://www.mmvc.ms.gov/>

Acknowledge Yes/No: \_\_\_\_\_

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Vehicle Title or Certificate of Origin:

Assignment: **State of Mississippi/DFA – 941**

Mailing address: Mississippi Department of Transportation, 9301  
P.O. Box 1850  
Jackson, MS 39215

Acknowledge Yes/No: \_\_\_\_\_

Lienholder: Upon award, if MDOT issues a **Notice to Proceed** instead of a **Purchase Order**, the vehicle is being purchased through the State's Master Lease Purchase Program, and the following shall be shown as the **1<sup>st</sup> Lienholder on the Title Application**:

U.S. Bank National Association  
Attention: Jacqueline McNeil  
6810 Crumpler Blvd., Suite 200  
Olive Branch, MS 38654

Lienholder Number: 90018867500

Acknowledge Yes/No: \_\_\_\_\_