

66,000 GVWR Truck, Tractor, 115" CT

66,000 GVWR truck, tractor, tandem rear axle, cab and chassis, 115" cab to tandem, 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.

The vendor must respond to each of the following statements. Specifications listed are **minimum** requirements that must be met for a vendor to qualify for an award. A "YES" response means the vendor guarantees that they meet this requirement. A "NO" response means the vendor cannot meet the requirement and will not be considered. The vendor must supply printed literature that shows compliance with each requirement of the Equipment Specifications and, if on inspection, an item is found not to comply, the machine(s) will be rejected.

Descriptive literature shall be furnished to substantiate EACH of the details specified herein.

SPECIFICATIONS

GVWR: 66,000 pounds

GVWR (pounds): _____

Comply Yes/No: _____

CT Dimension: 115 inches, clear

CT (inches): _____

Comply Yes/No: _____

Engine: 12.8-liter, 470-horsepower by 1,800 RPM, water-cooled, diesel, 1,650 ft.-lbs. torque by 1,000 RPM, meeting all current federal and EPA emission requirements

Make: _____ Model: _____

Displacement (liters): _____ Power (horsepower): _____

Torque (pound-feet): _____

Comply Yes/No: _____

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

Comply Yes/No: _____

Cooling System: Heavy-duty, high-capacity radiator, silicone hoses, designed for vocational-duty application

Comply Yes/No: _____

Exhaust: Vertically mounted, 90-degree tip facing rear to protect from rain and debris

Comply Yes/No: _____

Transmission: Vendor to offer 2 transmission options:

Option 1: Heavy-duty, 12-speed, automated manual transmission, with overdrive, hot-shift PTO, designed for on-road/off-road operations, geared for highway speeds up to a minimum top speed of 75 MPH with fully loaded truck

Make: _____ Model: _____

Type: _____ Speeds: _____

Option 2: Heavy-duty, 10-speed, manual transmission, hot-shift PTO, designed for on-road/off-road operations, geared for highway speeds up to a minimum top speed of 75 MPH with fully loaded truck

Make: _____ Model: _____

Type: _____ Speeds: _____

Rear axle gear ratio: _____

Comply Yes/No: _____

Brakes: Full air, disc, ABS with 6 channel/6 sensor/6 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. Mechanical spring-set rear axle parking brakes.

Manufacturer: _____ Type: _____

Style: _____ ABS configuration: _____

Comply Yes/No: _____

Axle Rating and Suspension:

Front: 20,000-pound, multi-leaf springs with shock absorbers, set forward configuration, disc brake compatible hubs

Manufacturer: _____

Axle type: _____ Weight rating (pounds): _____

Suspension type: _____ Weight rating (pounds): _____

Rear: 46,000-pound, to comply with requirements of rear axle, air bag type, in-cab pressure control release valve, with inter-axle differential lock and full locking wheel differential (anti-spin device), disc brake compatible hubs, minimum gear ratio of 3.90.

Manufacturer: _____ Gear Ratio: _____

Axle type: _____ Weight rating (pounds): _____

Suspension type: _____ Weight rating (pounds): _____

Comply Yes/No: _____

Driveline: Heavy-duty, main u-joint with inter-axle

Comply Yes/No: _____

Electrical: One (1) 12-volt, 160-amp alternator. Three (3) 12-volt maintenance free batteries, 625 CCA, combined total 1,875 CCA. Batteries to be contained in a lockable, rust-proof metal battery box.

Alternator:

Manufacturer: _____

Amp rating: _____

Battery:

Power (CCA per battery/total CCA): _____

Comply Yes/No: _____

Frame: All grade 8 bolts and hardware (preferred) or Huckbolts for assembly. High strength, low alloy steel section modulus, 15.9", 1,749,000 RBM.

Section Modulus: _____ RBM: _____

Comply Yes/No: _____

Wet Pack, Fifth Wheel, and PTO: Hot-shift PTO, 50-gallon reservoir tank with ball type shut-off valve and tank manufacturer's original fill level gauge mounted on right side behind cab at frame level. Pump and wet pack kit to be capable of operating at 25 GPM at 1800 PSI. Controls in truck to be lever console type; trailer air dump, fifth wheel slide, air tailgate Controls to be mounted to the right of the operator's seat at a height and distance for easy access

The fifth wheel is to be a 24" no-slack, air slide fifth wheel, mounted a minimum of 10" from top of fifth wheel to top of truck frame. This may be accomplished by adding a spacer

Comply Yes/No: _____

Fuel System: 130-gallon tank capacity, single tank, dual stage fuel filters

Capacity (gallons): _____

Comply Yes/No: _____

DEF Tank: 20-gallon tank, frame-mounted

Capacity (gallons): _____

Comply Yes/No: _____

Steering: Power – integral

Comply Yes/No: _____

Driveline: Heavy-duty main u-joint with inter-axle

Comply Yes/No: _____

Tires: All tires must be rated equal to or higher than axle and suspension weight specifications Steel radial, highway tread, high mileage steer axle type front; all seasons, on-road/off-road, high mileage rear drive axle type duals and spare.

Front:
Manufacturer: _____ Size: _____

Rear:
Manufacturer: _____ Size: _____

Comply Yes/No: _____

Wheels: Must be rated equal to or higher than axle and suspension weight specifications, disc brake compatible

Front: 22.5 x 9, 10-hole disc, steel, hub piloted

Manufacturer: _____ Size: _____

Rear: 22.5 x 8.25, 10-hole disc, steel, hub piloted.

Manufacturer: _____ Size: _____

Comply Yes/No: _____

Back-up Alarm: Smart, self-adjusting alarm system which is activated upon engagement of the reverse gear of the vehicle, is audible above normal outdoor sounds, and meets FMVSS requirements. The back-up warning alarm shall be mounted on the rearmost part of the vehicle, be protected from water and road spray and meet a minimum 82 dB up to 107 dB depending on surrounding ambient noise levels.

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 (5) cab-mounted marker lights,
- Stainless steel cab-mounted exterior sun visor
- Exterior assist handles both sides (if exhaust is in the way, then an interior assist handle will be acceptable for the side affected)
- Power and heated RH and LH C-frame or pedestal exterior mirrors with convex auxiliary mirrors
- Power windows and door locks
- Deluxe high-back air suspended driver and passenger seats with arm rests
- Sun Visor (RH and LH),
- Two (2) cup holders
- High-visibility orange safety belts
- Factory air conditioning and heater with defroster
- All dash switches including spares shall be functional
- Warning lights and buzzers for air pressure, oil pressure and water temperature
- Direct reading gauges for oil pressure, water temperature, and air pressure
- Tachometer
- 12-volt accessory dash-mounted power outlet
- AM/FM Bluetooth stereo radio with hands-free option
- Dual air horns
- Tinted glass all around
- Multi-speed electric windshield wipers and washers with intermittent mode
- Tilt steering column
- Cruise control
- Front tow hooks

- Heavy-duty front bumper
- Holder for operator's manuals
- Hand control valve and tractor protection valve
- Black undercoating applied to underside of body
- Triangle reflector kit
- U/L approved 2 ½ pound BC dry chemical fire extinguisher shall be installed in the truck cab
- Axle air bladder dump valve
- Tractor package providing electrical and air hookup to trailer with 12-foot lines and cables and air hookup to trailer with 12-foot lines and cables
- Breakaway valves
- Double check valve
- Circuit breaker for clearance and identification lights
- 7-wire electrical cable
- Any other body builder wiring not included that would be needed to set up and run a dump body with enough to terminate at end of frame
- Toolbox to be mounted left side at frame level, behind cab, 18" high x 18" deep x 24" wide, recessed locking paddle locks and fold-down door with chain, interior LED lighting

Comply Yes/No: _____

Paint: Manufacturer's standard white.

Comply Yes/No: _____

ADDITIONAL REQUIREMENTS

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

Bidder shall maintain a representative inventory of replacement parts and service facilities as well as all necessary diagnostic tools/equipment/software and software licenses needed for diagnosis, repair, service, and maintenance.

Acknowledge Yes/No: _____

Warranty: Clearly stated terms and conditions of all manufacturer warranties shall be included with the bid package. 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 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 not to exceed thirty (30) calendar days. **The bidder shall provide written assurance with the bid package regarding warranty repairs.**

The delivering dealer will have sole warranty responsibility (**all components**) for the first ninety (90) calendar days after acceptance of equipment.

The manufacturer shall provide, with the bid package, a list of warranty service locations within the State of Mississippi for all components of the truck (body, chassis, electrical, etc.) which may need warranty repair beyond the first ninety (90) calendar days.

Acknowledge Yes/No: _____

Workmanship: Workmanship throughout 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 which the manufacturer proposes must be 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 contact information located closest to the point of delivery:

Dealer Name: _____

Telephone: _____

Street Address: _____

City, State, ZIP: _____

Acknowledge Yes/No: _____

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

Prior to acceptance by MDOT, the manufacturer shall service and adjust the unit 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 (PDF file format on USB flash drive) versions. One set of technical manuals shall be provided with each Lift upon delivery. Additional manuals may be ordered later.

Technical service bulletins: Successful bidder shall provide TSBs (technical service bulletins) for all truck(s) 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

Two (2) copies of descriptive literature shall be furnished to substantiate the details specified in the bid.

Acknowledge Yes/No: _____

Certification: The manufacturer(s) shall furnish certification that the truck 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 (MMVC) prior to the SOQ review.

A copy of licenses as required by the MMVC should be supplied with SOQ. Licenses will be verified prior to award.

Mississippi Dealer's License Number: _____

MMVC Manufacturer's License Number (where applicable): _____

Application and contact information may be attained through the MMVC website: <https://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 unit is being purchased through the State's Master Lease Purchase Program and the specified financial institution must be listed as Lienholder.

Acknowledge Yes/No: _____