

Attachment B- Specifications

Brush Chipper-Trailer Mounted

Specification Number: 019-WTC36-TM-2050/112

Brush Chipper – Trailer Mounted

Brush chipper, trailer mounted, hydraulic feed drum type, new and of current model, equipped as advertised by the manufacturer, to meet or exceed the following **MINIMUM** specifications:

Chipper 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

Capacity: Capable of chipping whole trees a maximum of 18" in diameter

Comply Yes/No: _____

Power Unit: Water cooled diesel, 540 flywheel horsepower minimum, equipped with air cleaner, oil and fuel filters, and all standard engine equipment, rated by OEM for wood chipping operations

Comply Yes/No: _____

Clutch: Hydraulically engaged, dry type

Comply Yes/No: _____

Electrical System: 24 volt electrical charging system composed of minimum 100 amp 24 volt alternator, 2 batteries of same size minimum 1400 CCA

Comply Yes/No: _____

Cooling System: Heavy-duty, minimum 16 gallon capacity

Comply Yes/No: _____

Fuel: Minimum 150 gallon capacity tank

Comply Yes/No: _____

Hydraulics: Minimum 80 gallon capacity tank with in-radiator cooler

Comply Yes/No: _____

Chipping Drum: 36" minimum diameter x 34-1/2" width

1/2" thick steel skin, minimum 900 RPM

6 drive belts

steel drum shaft of 6-1/8" diameter with dodge bearings

6 knives-11" long x 7-5/16" wide x 3/4" thick minimum

(2) 3/4" thick removable cutting anvil, by way of exterior bolts, foursided

Comply Yes/No: _____

Feed System: 22" Diameter pegged feed wheel with top compression
Internal hydraulic motor
Minimum drum opening of 31" Height X 34" Width
Minimum bed length of 11'- 6"
(2) bed chains (staggered)
Reverse pivot yoke
Auto-feed with integrated controls for monitoring feed rates and hydraulic pressures

Comply Yes/No: _____

Discharge Chute: Rotating discharge chute and hydraulic chip deflector allowing for minimum 61 degree, from center, discharge to either side

Comply Yes/No: _____

Trailer: Tandem axle, air ride, air brakes, pintle hitch configuration with steel frame unibody construction, minimum tensile strength of 58,000 psi, minimum 18,300 lbs per axle, ICC standard lighting, dual front stabilizers (hydraulically operated), tongue weight 7,200 lbs, maximum height 11'6", maximum width 8'4", maximum transport length 31'6"

Comply Yes/No: _____

Weight: 36,500 lb (minimum)

Comply Yes/No: _____

Accessories/Other: All standard equipment
Automatic safety shut-down devices - oil pressure and water temperature
Slow moving vehicle emblem mounted on rear
Hydraulic reversing fan with auto control
Hour meter
Ammeter
Water temperature and oil pressure gauges
Sight gauges for fuel and hydraulic fluid
10-hp minimum air compressor, hose, fittings, and wrench (for changing of knives)
Anti-theft locks for all boxes and tanks
Remote control (14) function radio and 50' tethered

Comply Yes/No: _____

Paint: Manufacturer's standard color

ADDITIONAL REQUIREMENTS

Training: Upon delivery manufacturer's representative will conduct 2-day training session on operation and maintenance of the unit. Training shall be scheduled no less than 2 weeks prior to training dates. Training shall be scheduled through the Equipment Manager for MDOT District 2 Batesville Headquarters.

Acknowledge Yes/No: _____

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: _____

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 **1st 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: _____