

Hydraulic Excavator, Crawler-Mounted, 1.5 Cubic Yard Capacity, 54,000-Pound Operating Weight

Hydraulic excavator, crawler-mounted, 1.5 cubic yard capacity, new and of current model, equipped as advertised by the manufacturer, to meet or exceed the following **MINIMUM** specifications:

Hydraulic Excavator 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 or exceed 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 Specifications and, if on inspection, an item is found not to comply, the unit(s) will be rejected.

Descriptive literature shall be furnished to substantiate the details specified throughout this bid.

SPECIFICATIONS

Capacity: Rated at full 1.5 cubic yard capacity, lifting capacity 17,000 pounds at 15' radius over the side ground level, digging depth 21', ground level reach 33'

Rated capacity: _____

Lifting capacity: _____

Digging depth: _____

Reach: _____

Comply Yes/No: _____

Operating Weight: 54,000 pounds

Operating Weight: _____

Comply Yes/No: _____

Boom/Arm: Any combination is acceptable, but must meet minimum digging, reach, and lifting capacity as noted in Capacity Section above.

Boom length: _____ Arm length: _____

Comply Yes/No: _____

Engine: Water-cooled, diesel, 160 net HP, equipped with starter, alternator, battery, air cleaner, oil filters, 24-volt electrical system, and all standard equipment

Engine make: _____ Model: _____ HP: _____

Comply Yes/No: _____

Hydraulic System: Capable of operating all functions of excavator without overheating. The unit shall be able to travel and dig at the same time.

Type pump: _____ GPM: _____ Pressure: _____

Comply Yes/No: _____

Undercarriage: Designed to counter-rotate, overall width 11', crawler length 15', track pads 31" (800 mm)

Width: _____ Length: _____ Track pads: _____

Cab: All standard equipment, including but not limited to:

- ROPS (rollover protection system) / FOPS (falling object protection structure) certified enclosed cab
- Safety glass
- Deluxe adjustable air suspension seat
- High-visibility orange safety belt
- Cold start aid
- Air conditioning
- Heater
- Working lights, front and rear
- Tail and stop lights
- Turn signals
- Front and rear light guards
- Horn
- Windshield wipers
- Backup alarm
- Rearview camera
- Fire extinguisher
- Slow moving vehicle emblem, rear-mounted

Comply Yes/No: _____

Buckets and Accessories: Quick attach/disconnect functionality, high-flow auxiliary hydraulics, counterweight set sufficient to stabilize excavator, and rearview monitoring system required. Auxiliary functions to be hand controlled with joysticks. A constant on function for the auxiliary controls must be available.

- 1.5 cubic yard, 48"-wide, 5-tooth, heavy-duty digging bucket
- 60" wide ditching bucket with replaceable smooth cutting edge
- Hydraulic thumb

Comply Yes/No: _____

ADDITIONAL REQUIREMENTS

Service: The unit shall be delivered fully assembled and ready to operate. Factory-trained dealer representative is to inspect the unit 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 unit (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 unit 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 unit upon delivery. Additional manuals may be ordered later.

Technical service bulletins: Successful bidder shall provide TSBs (technical service bulletins) for each unit 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 unit meets or surpasses current U.S. Department of Labor Occupational Safety and Health Administration (OSHA), U.S. Department of Transportation Federal Motor Vehicle Safety Standards (FMVSS), American National Standards Institute (ANSI), and any other applicable Federal regulations.

Acknowledge Yes/No: _____

Certificate of Origin (if applicable):

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

Acknowledge Yes/No: _____