

Hydraulic Excavator - Crawler Mounted

Hydraulic Excavator - crawler mounted ("Excavator"), new and of current model, equipped as advertised by the manufacturer, to meet or exceed the following **MINIMUM** specifications:

Proposed Hydraulic Excavator: 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 bidder must respond to each of the following statements. Specifications listed are **minimum** requirements that must be met for a bidder to qualify for an award. A "YES" response means the bidder guarantees that they meet or exceed the requirement. A "NO" response means the bidder cannot meet the requirement and will not be considered. The bidder 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

Operating Weight: Minimum 16,000 pounds and not to exceed 20,000 pounds maximum weight without bucket.

Comply Yes/No: _____

Lifting Capacity: 2,400 pounds at a 15 feet radius over the side ground level

Lifting Capacity (pounds): _____

Digging Depth: 13 feet 7 inches

Digging Depth (feet and inches): _____

Digging Height: 22 feet 1 inch

Digging Height (feet and inches): _____

Digging Force (Arm, Bucket, and Boom combined): 9,820 pounds

Digging Force (pounds): _____

Dump Height: 15 feet 2 inches

Dump Height (feet and inches): _____

Reach Ground Level: 20 feet 4 inches

Reach Ground Level (feet and inches): _____

Comply Yes/No: _____

Boom/Arm: Any combination, but must meet the minimum digging, reach, and lifting capacity. Equipped with a hydraulic thumb.

Comply Yes/No: _____

Engine: Water-cooled, diesel, 50 net horsepower minimum.

Engine: Make: _____ Model: _____ HP: _____

Comply Yes/No: _____

Fuel Tank: 17-gallon capacity

Tank Capacity (gallons): _____

Comply Yes/No: _____

Hydraulic System: Capable of operating all functions of the excavator without overheating. On/off switch for the auxiliary function to operate a 42-inch rotary mower or mulching head.

Comply Yes/No: _____

Under Carriage:

Overall Width – 7 feet 1 inch

Width (feet and inches): _____

Crawler Length - 7 feet 3 inches

Length (feet and inches): _____

Track Pads, Rubber - 17 inches

Track Pads (inches): _____

Comply Yes/No: _____

Cab:

- Enclosed Cab
- Safety Glass
- Windshield Wipers
- Front Windshield Guard
- Air Conditioning and Heater
- Deluxe Fully Adjustable Air Suspension Seat with Headrest and Seatbelt
- Mounted Work Lights (Factory Standard)

Comply Yes/No: _____

Safety Lights: The Excavator shall be equipped with an LED beacon light.

Comply Yes/No: _____

Buckets and Accessories:

- One (1) 36-inch general-purpose bucket shall be 36 inches wide and have replaceable type digging teeth.

- One (1) 48-inch ditching bucket - bucket shall be 48 inches wide and have a replaceable cutting edge.
- One (1) 85-inch hydraulic dozer blade

Comply Yes/No: _____

Paint: Manufacturer's standard color

Comply Yes/No: _____

ADDITIONAL REQUIREMENTS

Service: The Excavator shall be delivered fully assembled and ready to operate. Factory-trained dealer representative is to inspect the Excavator 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 Excavator (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 Excavator 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 Excavator 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 Excavator(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 Excavator 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: _____

Certificate of Origin (if applicable):

Assignment: State of Mississippi/DFA – 941

Mississippi Department of Transportation
AMD Specification Number: 966-138CA-29D52-18HC (2095-100)
Version: ORIGINAL
Date: 08-2023 (165-879) Page **5** of **5**

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 Excavator is being purchased through the State's Master Lease Purchase Program and the specified financial institution must be listed as Lienholder.

Acknowledge Yes/No: _____