

BID SUBMITTAL FORM
Alabama County Joint Bidding Program
BID ITEM – HIGHWAY SPEED TRUCK MOUNTED EXCAVATOR - 4WD

Company Name: Tractor & Equipment Company Inc.
Address: P.O. Box 12326
Birmingham, AL 35212
Bid Submitted by: Antony McMillan Jr.
(Name of company representative)
Title: V.P. e-mail address: amcmillan@TEC1943.com
Phone: 205-591-2131 Fax: 205-591-8321

By submitting this bid, we agree:

Initials

The equipment model number identified below meets the bid specs for this bid item

AM

That the bid price will be honored for all counties for the period from Jan. 1, 2019 to Dec. 31, 2019.

AM

The equipment will be delivered at the bid price to all counties participating in the joint bid program

AM

The company representative listed above will be the contact person for purchasing this bid item under the joint bid program

AM

The bid is accompanied by a current catalog or model specification document for the model number identified below

AM

The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications

AM

The bid includes the e-verify documentation required by Alabama law

AM

If awarded the bid, a performance bond will be provided upon request

AM

The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine**

AM

HIGHWAY SPEED TRUCK MOUNTED EXCAVATOR - 4WD

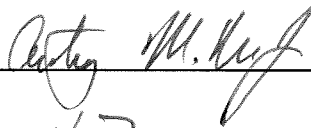
Total Bid Price for Standard Machine: \$ 265,200⁰⁰
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs)*

Freight Preparation and Delivery: \$ 4,000⁰⁰
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 278,689⁰⁰

Equipment Model #: Gradall D154

Description: 4wd Hwy Truck Speed excavator

Signature of company representative submitting bid: 

Title: V.P.

* **NOTE:** Award will be made based on the total cost of the **Standard Machine**. The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

BID SUBMITTAL FORM: OPTION COST SHEET HIGHWAY SPEED TRUCK MOUNTED EXCAVATOR - 4WD

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine*

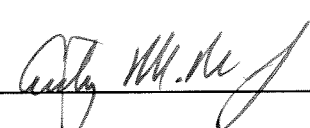
Am

The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) with **any available Options** for the Standard Machine

Am

Equipment Model #: Gradall D154

Description: Used Hwy Truck Spec Excavator

Signature of company representative submitting bid: 

Title: V.P.

***Note:** The percent difference between the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the standard machine as specified by these **Bid Specifications** and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

BID SPECIFICATIONS FOR HIGHWAY SPEED TRUCK MOUNTED EXCAVATOR - 4WD

GENERAL:

These specifications shall be construed as the minimum acceptable standards for a Highway Speed Truck Mounted Excavator with 4-wheel drive. It is the intent of this specification to describe a carrier mounted, single engine, full hydraulic telescoping boom excavator capable of excavating, grading, sloping, backfilling, etc., equivalent to a **Gradall model D152**.

Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturer's equipment. **The wheeled excavator must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacture.**

The use of specific names and numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of the counties participating in this joint bid.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the bid submittal form included in the invitation to bid package. All written warranties to be submitted shall be attached to the bid submittal form.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual, one (1) copy of the repair manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment. If any replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the county to use at no cost to the county until such time as the parts are delivered to the county so it can affect repairs to its machine.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes ☒ No ☐
Page #
or
Attachment ☒

The excavator shall consist of a revolving upper-structure mounted on a rubber-tired highway speed carrier complete with remote control as follows:

Rotating Structure

The Upper-structure shall be supported on the carrier by an internal swing bearing and shall be capable of continuous swing at not less than **8 RPM**. The counterweight shall weigh not more than **4,500 pounds** and the tail swing shall not exceed **6' 7"**. The swing system shall incorporate a spring set, hydraulic release swing parking brake. Anti-slip paint is required on all walking surfaces.

Yes ☒ No ☐
Page # 2

Boom

The boom shall be triangular in cross section and shall consist of a main section and a telescoping section. Adjustable boom rollers shall be furnished on both boom sections. The telescope section shall be equipped with pin-on buckets and shall telescope hydraulically through a distance of not less than **10' 3"**. The boom assembly shall be supported by a cradle that provides for the tilt of the entire boom assembly and attachment through an arc of not less than **220°** about its longitudinal axis. The boom shall rise through an arc of not less than **30°** and lower not less than **60°**. The attachment shall open and close through an arc of not less than **165°**.

Yes ☒ No ☐
Page # 1, 2

Hydraulic System

Power for the hydraulic system shall be supplied by the carrier engine. There shall be one-piston pump providing not less than **58 GPM @ 3800 PSI**. The pump shall be engaged with a PTO to the transmission. The system shall provide for simultaneous boom, swing and remote functions, quick disconnect type pressure check ports, minimum **51 HP** swing motor, minimum **21 HP** tilt motor and appropriate relief valves, oil cooler and filter with service indicator. The pressurized reservoir shall be of minimum **62-gallon** capacity and shall be equipped with sight level gauges. System operating pressure shall not exceed **3,800 PSI**.

Yes ☒ No ☐
Page # 1

Cab & Controls

The operator's cab shall be all weather with safety glass windows and skylight. The cab shall be complete with front window that rolls overhead for storage, wiper washer, AC, AM/FM radio, four-way adjustable

seat, acoustical treatment, signal horn, filtered heater and defroster. The controls shall be self-centering dead-man type consisting of 2 electronic joysticks mounted on the armrests. Engine controls shall include key type ignition switch with neutral start and throttle. There shall be warning lights for low air, low DEF, engine maintenance, hydraulic filter condition and level. There shall be an automatic engine shutdown for low oil pressure or high coolant temperature. Remote carrier propels, steering and automatic digging brake shall be controlled by two-foot pedals and two joystick mounted switches. The hydraulic remote-control system shall be complete with an emergency brake control and travel alarm.

Yes ☒ No ☐
Page # 1

Carrier

The carrier shall be a **4x4** rubber tired type, **8' 6"** wide with a **36,200-lb.** gross vehicle axle weight rating. The frame shall be the manufacture's standard, reinforced with Steel frame insert (**1/4" full C-channel**) from beyond the front spring hanger in the front and extending throughout the total length of the frame to the rear. There shall be a separate sub-frame for Upper-structure mounting. The wheelbase of the unit shall be a minimum of **15' 10"** and the frame width a minimum of **34"**. There shall be a minimum **80-gallon** fuel tank and a minimum **13-gallon DEF tank**. The carrier shall be equipped with transmission operated remote control.

Yes ☒ No ☐
Page # 3

Engine

The carrier shall be powered by current emissions certified "Clean Idle" liquid cooled turbo charged air after cooled diesel engine with a minimum **250 HP @ 2300 RPM**. The engine shall be equipped with an exhaust brake, an electric grid air warmer, two stage dry type air cleaner, spin on fuel filter, oil filter. The electrical system shall be **12-volt** and incorporate a **160-amp** alternator.

Yes ☒ No ☐
Page # 1

Transmission

The carrier shall be equipped with a **5-speed** Automatic transmission, **Allison 3500RDS**, having **5 forward** speeds and **1 reverse** speed. Max road speed shall be **55 mph**.

Yes ☒ No ☐
Page # Spec 2

Axles and Suspension

The **front axle** shall be rated at **13,000 lb.** minimum. The front suspension shall be leaf type and shall be complete with automatic lockout cylinders.

Yes ☒ No ☐
Page # Spec 2

The **rear axle** shall be rated at **23,000 lb.** minimum with a **6.43 ratio** and single reduction. The axle shall be equipped with a cab controlled differential lock.

Yes ☒ No ☐
Page # Spec 2

Brakes

The carrier shall be equipped with anti-lock braking system to include four-wheel cam type air brakes and automatic slack adjusters. The system shall include spring set brakes incorporating emergency and parking brakes on the rear axle. The system shall include a minimum **18.7 C.F.M.** air compressor and desiccant type air dryer with automatic purge valve and thermostatically controlled heater.

Yes ☒ No ☐
Page # Spec 2

Wheels and Tires

The wheels shall be 10-stud hub piloted disc. The front tires shall be **M/S11R22.5 14** ply with mud and snow traction tread. The four rear tires shall be **M/S11R22.5 14** ply with mud and snow traction tread.

Yes ☒ No ☐
Page # Spec 2

Steering

Carrier steering shall be integral hydraulic power steering.

Yes ☒ No ☐
Page # Spec 2

Cab

The carrier cab shall be a two man, isolation mounted cab. The cab shall include a driver's high back air suspension seat, a basic high back non-suspension passenger seat, **3 point** high visibility orange driver and passenger seat belts, adjustable tilt and telescoping steering column, tinted safety glass windows, acoustical lining, and heater/defroster and Air Conditioner. Both side windows must open for ventilation and be adjustable.

Yes ☒ No ☐
Page # Spec 1

The cab instrument panel shall include the following equipment: Gauges for oil pressure, coolant temperature, dual air tank pressures, fuel level, indicator for DEF level, low DEF level warning light/alarm, voltmeter, hour meter, speedometer and odometer and intake air restriction indicator. The carrier shall be complete with electronic cruise control, AM/FM radio, headlights, tail lights, stoplights, back-up lights, identification light clusters, turn indicators, hazard warning, electric windshield wiper and washer, back-up alarm and plain and convex mirrors on both sides.

Yes ☒ No ☐
Page # Spec 1, 2

Operating Weight

Working weight, including **60"** excavating bucket and half-full fuel tanks shall exceed **34,500** pounds.

Yes ☒ No ☐
Page # Spec 3

Digging Specifications with 60" Excavating Bucket

Maximum Digging Depth: 13' 0"
Maximum Surface Reach: 24' 9"
Boom Tilt (Total Arc/CW Arc/CCW Arc): 220°/110°/110°
Minimum Reach (Cleanup - Bucket level, ground level boom retracted): 6' 5"
Maximum Digging Depth (8' level bottom): 12' 5"
Minimum Boom Arc: +30°, -60° level
Tail Swing: 6' 7"
Maximum Height with Bucket Below ground level: 14' 7"
Maximum Loading Height 16' 10"
Bucket Pivot 165°

Yes ☒ No ☐
Page # Spec 3

Lifting Capacity without bucket, at ground level

	Over-End	Over-Side
15' 0" Radius	4,760 lbs.	4,760 lbs.
20' 0" Radius	3,365 lbs.	3,365 lbs.
22' 9" Max Radius	2,950 lbs.	2,950 lbs.

Yes ☒ No ☐
Page # Spec 3

Travel Dimensions with 60" Excavating Bucket

Width 8' 6"
Height with bucket 12' 9"
Length 27' 1"

Yes ☒ No ☐
Page # Spec 3

The equipment shall be capable of performing all functions without the use of outriggers.

Yes ☒ No ☐
Page # Spec 3

Bucket:

Standard with no bucket. Buckets will be considered optional attachment's.