

Specifications
TWRA John Deere Tractors
For Tennessee Wildlife Resources Agency (TWRA)
32801-13044

This solicitation is for the purchase of two (2) John Deere Tractors and one (1) John Deere Front-End Loader Attachment.

A. Requirements

1. Vendor shall be an authorized John Deere dealer.
2. Manufacturer's warranty shall be included.
3. Tractor and front-end-loader shall be completely assembled and operational at time of delivery.

B. Delivery

1. Tractors shall be delivered FOB.
2. Contractor shall call two (2) business days before delivery so that arrangements can be made.
3. Tractor 1 with front-end loader shall be delivered within 300 days of award of contract.
 - a. Delivery location shall be 427 Jess Duncan LN, Estill Springs, TN 37330.
 - b. Point of contact: TWRA WMA Manager Mark Winland at 615-879-8304.
4. Tractor 2 shall be delivered within 300 days of award of contract.
 - a. Delivery location shall be TWRA Black Bayou Office, 6580 State Route Hwy 78 N, Tiptonville, TN 38079.
 - b. Point of contact: TWRA Manager Chase Taylor at Chase.Taylor@tn.gov or 615-339-5588.

C. Tractor 1 with Front End Loader Attachment – AEDC WMA:

1. John Deere Tractor, Model 6155 M shall include:
 - a. 155 Horsepower Row Crop tractor
 - b. 155 engine-rated horsepower/125 PTO horsepower
 - c. Alternator 14 volt / 170 amp
 - d. Hydraulic pump capacity 30 gallons per min (114 liters/min)
 - e. 3 Mechanical Select Control Valves, 3 function (M-SCV 3F), mounting frame.
 - f. Power Quad Plus transmission with 20 forward/20 reverse
 - g. 3 Mechanical Select Control Valves (3 SCV 450 series) rear mounted for operation of attachments.
 - h. Rear PTO with 540/1000 revolutions per minute (RPM)
 - i. Draft links with telescopic ball end – category 3N/ category 3 ; sway blocks included
 - j. Center link with ball end – category 3
 - k. Higher hitch lift capacity option 16,865 pound (7650 kilogram)
 - l. 12 volts / 174-amp hour battery
 - m. Enclosed Cab, standard economy with right hand console
 - n. Standard seat with air ride suspension

- o. Air Conditioning and heated cab
- p. Manual telescopic mirrors
- q. John Deere Link Modem less subscription
- r. Premium Am/FM radio
- s. Bottom guard on fuel tank
- t. Front End Loader attachment ready
- u. Cab-mounted beacon light
- v. Front base weight 110 kilogram (to allow attachment of additional front weights)
- w. Economy lighting package
- x. Rack and Pinion rear axle 92mm (3.62 inch) x 2550mm (100.4 inch) suitable for dual rear wheels
- y. Front and rear tire brand preference – Firestone
- z. 4 Wheel Drive front axle, unsuspended.
- aa. Dual rear wheels and tires - cast disk 480/80R42 size.
- bb. Bolt on dual wheel hub with 5inch extensions
- cc. Adjustable steel front wheels 420/85R28 R1W radial size
- dd. Tires set up to accommodate 38" planter row spacing.

2. Front End Loader attachment shall include:

- a. 640R Standard Farm Loader
- b. Suitable for attachment to 6M tractor Mid-frame final tier 4 (FT4) loader ready tractor
- c. Non-self-leveling three function hydraulics
- d. No hood guard and no ballast box
- e. Three-function single-point coupler
- f. 2450mm (96inch) global heavy-duty bucket with grapple brackets
- g. Five-tine round bale and silage grapple with grille
- h. All necessary hydraulic hoses and controls to be included and assembled.

D. Tractor 2 – Reelfoot WMA:

1. John Deere Tractor, Model 6195M shall include:

- a. 195 Rated Horsepower 6.8 Liter Diesel Engine
- b. 216 Horsepower at Max Engine speed
- c. 20 speed Power Quad Transmission / 4 Ranges with 5 Powershift speeds in each Range
- d. 25 MPH Transport Speed
- e. Cab with Heat and Air +Radio
- f. Air suspension seat
- g. Left-side and Right-side Adjustable Mirrors
- h. Rear Window Wiper and Washer
- i. Hand and Foot throttle control including 2 engine set speed controls
- j. 4WD Front Axle – Unsuspended
- k. Adjustable Steel wheels

- l. Front Wheel Size 380/85R30 R1W Radial
- m. Rear Wheels Size 380/90R46 R1W Radial
- n. Dual rear wheels with 204 kg rear weights
- o. Front Fenders 4WD – Turnable
- p. Front Base Weight -110 kg
- q. 12 Front suitcase weights 43 kg (95 pound)
- r. Alternator 14 V/170 A
- s. Beacon Light
- t. Center Link with Ball End -Category 3
- u. Draft Links with Telescopic Ball End -Category 3N /Category 3
- v. Sway Control Blocks
- w. 19,951-pound Rear Hitch Lift Capacity
- x. Rear PTO (Power Take Off) – 540/1000 rpm
- y. Hydraulic Pump – 40.9 GPM (Gallons per minute)
- z. PFC (Pressure-and-Flow Compensated)
- aa. Hydraulic System – 60 cc pump
- bb. 3 Mechanical Rear SCVs (3 SCVs 450 Series) (Selective Control Valves)
- cc. Power Beyond Preparation -Rear
- dd. Fuel Tank Bottom Guard
- ee. Minimum 16,534- pound Base Machine Weight
- ff. 110.2" Wheelbase
- gg. 750 Hour Engine Oil Change Interval
- hh. 1500 Hour Hydraulic Oil Change Interval