

**MISSISSIPPI FORESTRY COMMISSION
660 North Street, Suite 300
Jackson, MS 39202**

RFx NUMBER: 3140002230

SMART RFx NUMBER: 1451-20-R-RFQF-00004

NOTICE REQUEST FOR QUALIFYING QUOTES FORMAL

The Mississippi Forestry Commission is requesting Qualifying Quotes (RFQF) at its office at 660 North St. Suite 300, Purchasing Department, Jackson, MS 39202 for the following items:

TWELVE (12) EXTENDED CAB TANDEM WHEELED TRUCKS WITH BEDS

The purpose of this RFQF is to advertise this competitive procurement for Solicitation of formal quotes from potential bidders to participate in a Reverse Auction.

Responses may be received electronically at <http://portal.magic.ms.gov> or via sealed envelopes at the Mississippi Forestry Commission, 660 North St., Suite 300, Purchasing Department, Jackson, MS 39202 until 10:00 a.m. Thursday, April 2, 2020.

For non-registered vendors needing assistance to register in MAGIC, contact the MAGIC Help Desk at (601) 359-1343.

Instruction on how to be set up in Magic is on Page 2 of the solicitation.

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INSTRUCTIONS ON HOW TO SIGN UP FOR MAGIC

To register in MAGIC as a vendor, here are the steps:

www.dfa.ms.gov

Direct Links

Vendor Services

MAGIC Vendor Services

State of Mississippi Supplier Registration – complete and submit online. If you need help with the product code just give me a call.

To register for Paymode (Direct Deposit/EFT), here are the steps:

www.dfa.ms.gov

Direct Links

Vendor Services

Paymode – join now (requires an email and password) – complete and submit online. The vendor has to complete this because it pertains to their banking information and no one at Forestry is to assist the vendor.

Reverse Auction quick reference guide can be viewed at the following site:

<http://www.dfa.ms.gov/media/6203/magic-bidders-reverse-auction-quick-reference-guide.pdf>

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GENERAL BID CONDITIONS:

ALL BIDS SUBMITTED SHALL BE IN COMPLIANCE WITH ALL CONDITIONS SET FORTH HEREIN. THE BID PROCEDURES FOLLOWED BY THIS OFFICE WILL BE IN ACCORDANCE WITH THESE CONDITIONS. THEREFORE, ALL BIDDERS ARE URGED TO READ AND UNDERSTAND THESE CONDITIONS PRIOR TO SUBMITTING A BID.

1. PREPARATION OF BIDS

1.1 Bids and/or Quotes may be submitted through the State of Mississippi's e-procurement system (MAGIC) or in person to the Mississippi Forestry Commission. Paper bids are allowed. All prices and notations must be printed in ink or typewritten. No erasures permitted. Errors may be crossed out and corrections printed in ink or typewritten adjacent and must be initialed, in ink, by the person signing bid.

1.2 To submit bids electronically, bidders must ensure they are registered in the MAGIC system and have received a login, password, and supplier number and that all technical requirements have been met.

1.3 If a bidder is unwilling or unable to participate through MAGIC, a Mississippi Forestry Commission representative can enter the Vendor's bid(s) manually (i.e. Surrogate bidding).

1.4 Bidders participating in person by surrogate bidding must so indicate in their response to the initial Request for Quote-Formal (RFQF).

1.5 Failure to examine any drawings, specifications, and instruction will be at bidder's risk.

1.6 Price each item separately. Unit prices shall be shown. Bid prices must be net.

1.7 It is understood that reference to available specifications shall be sufficient to make the terms of such specifications binding on the bidder.

1.8 Bidders must furnish all information requested in the bid specifications. Further, when required each bidder must submit for bid evaluation cuts,

sketches, descriptive literature and technical specifications covering the product offered. Reference to literature submitted with a previous bid or on file with the Mississippi Forestry Commission will not satisfy this provision.

1.9 Samples of items, when requested, must be furnished free of expense, and if not destroyed in testing will, upon request, be returned at the bidder's expense. Request for the return of samples must be made within ten (10) days following opening bids. Each individual sample must be labeled with bidder's name, manufacturer's brand name and number, State of Mississippi commodity number, bid number and item reference.

1.10 Time of performance. The number of calendar days in which delivery will be made after receipt of order shall be indicated in the bid specifications.

2. SUBMISSION OF BIDS

2.1 When submitting a bid electronically, the authorized signature may be typed or be an electronic signature.

2.2 Bids and modifications or corrections received after the closing time specified will not be considered.

2.3 When submitting the response to the RFQF in MAGIC, bidder must ensure all questions have been answered within the RFQF and all proposed items in bid have a response.

2.4 Bidders submitting paper responses should submit responses to the Mississippi Forestry Commission by the response deadline.

3. ACCEPTANCE OF BIDS

3.1 The Mississippi Forestry Commission reserves the right to reject any and all bids, to waive any informality in bids and unless otherwise specified by the bidders, to accept any items on the bid. The Mississippi Forestry Commission reserves the right to modify or cancel in whole or in part any Invitation for Bids.

If a bidder fails to state the time within which a bid must be accepted, it is understood and agreed that the Mississippi Forestry Commission shall have 60 days to accept.

4. ERROR IN BID

4.1 IF a vendor is participating in a Live Auction, the vendor can notify the Mississippi Forestry Commission in the event of an erroneous bid via the chat message feature. Erroneous bids, where the mistake is apparent to the Mississippi Forestry Commission, may be deleted during the live auction.

5. AWARD

5.1 Contracts and purchases will be made or entered into with the lowest responsible bidder meeting specifications, except as otherwise specified in the bid specifications. Where more than one item is specified in the specifications, the Mississippi Forestry Commission reserves the right to determine the low bidder either on the basis of the individual item(s) or on the basis of all items included in its Invitation for Bids, or as expressly provided in the Mississippi Forestry Commission Invitation for Bids.

5.2 Unless the bidder specified otherwise in the bid, the Mississippi Forestry Commission may accept any item or group of items of any kind.

5.3 A written purchase order or contract award furnished to the successful bidder within the time of acceptance specified in the Invitation for Bid results in a binding contract without further action by either party. The contract shall consist solely of these General Conditions, the Instructions and Special Conditions, the successful bidder's bid, and the written purchase order or contract award. The contract shall not be assignable in whole or in part without the written consent of the Mississippi Forestry Commission.

6. INSPECTION

6.1 Final inspection and acceptance or rejection may be made at delivery destination, but all materials and workmanship shall be subject to inspection and test at all times and places, and when practicable. During manufacture, the right is reserved to reject articles which contain defective material and workmanship. Rejected material shall be removed by and at the expense of the contractor promptly after notification or rejection. Final inspection and acceptance or rejection of the materials or supplies shall be made as promptly as practicable, but failure to inspect and accept or reject materials or supplies shall not impose liability on the Mississippi Forestry Commission or any subdivision thereof for such materials or supplies as are not in accordance with the specification. In the event necessity requires the use of materials or supplies not conforming to the specification, payment therefore may be made at a proper reduction in price.

7. TAXES

7.1 The State is exempt from federal excise taxes and state and local sales or use taxes and bidders must quote prices which do not include such taxes. Exemption certificates will be furnished upon request.

8. BIDDERS

8.1 Bidding by state employees is prohibited. It is unlawful for any state official or employee to bid on, or sell, or offer for sale, any merchandise equipment or material, or similar commodity to the State of Mississippi during the tenure of his or her office or employment, or for the period prescribed by law thereafter, or to have any interest in the selling of the same to the State.

9. BID INFORMATION

9.1 Bid information and documents may be examined pursuant to the Mississippi Public Records Act of 1983, MS Code 25-61-1 et seq.

10. DEFINITIONS

10.1 The use of the word agency in any Bid Invitation solicitation or specification shall be intended to mean state agencies only.

11. PRECEDENCE

11.1 Bids shall be made and the contract shall be entered into in accordance with the General Conditions as hereinafter amended and modified. Should a conflict exist between the General Conditions and the Instructions and Special Conditions, the Instructions and Special Conditions shall take precedence.

12. WAIVER

12.1 The Mississippi Forestry Commission reserves the right to waive any General Condition, Special Condition, or minor specification deviation when considered to be in the best interest of the State.

13. CANCELLATION

13.1 Any contract or item award may be canceled with or without cause by the Mississippi Forestry Commission with the giving of 30 days written notice of intent to cancel. Cause for the Mississippi Forestry Commission to cancel may include, but is not limited to, delivery on time and/or no notice of delay in delivery time. Should the contract be canceled by the Mississippi Forestry Commission for failure to perform, the contractor will be disqualified from bidding for a period of twenty-four (24) months. The contractor may cancel a contract for cause with a thirty (30) day written notice of intent to cancel. In the event of cancellation of contract for any cause, whether failure to perform or cancellation by contractor, the Mississippi Forestry Commission will proceed to the next lowest vendor.

14. NONRESPONSIVE BIDS

14.1 Nonresponsive bids will not be considered. A non-responsive bid is considered to be a bid that does not comply with the minimum provisions of the specification. Any bidder found to repeatedly offer alternate products that are not compliant with specifications in an attempt to obtain a contract on the basis of pricing only will be disqualified from bidding for a period of 24 months.

15. SPECIFICATION CLARIFICATION

15.1 It shall be incumbent upon all bidders to understand the provisions of the specifications and to obtain clarification prior to the time and date set for the bid opening. Such clarification will be answered only in response to a written request.

16. PRE-QUALIFICATION PROCESS

16.1 The purpose of the RFQF is to advertise the competitive procurement for solicitation of formal quotes from potential bidders to participate in the Reverse Auction. The Mississippi Forestry Commission will be responsible for defining product categories, adding bidders, and publishing all bid related documents to the procurement portal. Once the responses have been received and the Opening Date has been reached, the Mississippi Forestry Commission will review the submissions to qualify bidders and determine a starting price for reverse auction items.

16.2 The Invitation for Bids/RFQF shall be advertised in accordance with Section 3.106.05.4 of the Mississippi Procurement Manual. The Mississippi Forestry Commission shall advertise for 14 consecutive days in accordance with Section 31-7-13(c) (i) (1) of the Miss. Code Ann. Responses to the RFQF will be due on the 8th working day after the last day of advertisement.

16.3 Responses to the RFQF will be reviewed by the Mississippi Forestry Commission for responsiveness to specifications. Price quotes received will be evaluated in conjunction with other market research to determine the starting price for the Auction.

16.4 The Mississippi Forestry Commission will accept bidder responses in MAGIC who have qualified meeting RFx specifications. Bidders not meeting specifications will not be allowed to participate in the Auction.

16.5 Once qualified, the Mississippi Forestry Commission will notify the vendor of Qualification and the date of the Live Auction via email. After receiving the confirmation email, bidders should review/ensure technical requirements for MAGIC have been met or confirm participation in person.

16.6 It is requested that bids be submitted on the basis of statewide distribution. Contractors must maintain adequate distribution capabilities and adequate stock of all items to insure prompt delivery.

17. STATEWIDE BIDDING

17.1 It is requested that bids be submitted on the basis of statewide distribution. Contractors must maintain adequate distribution capabilities and adequate stock of all items to insure prompt delivery.

18. FIRM BID AMOUNT

18.1 Prices accepted from bidder submissions shall be firm for the term of the contract except that the State shall receive the benefit of any price decrease in excess of five (5) percent. The contractor must provide written price reduction information within ten (10) days of its effective date.

19. CONTRACT

19.1 The contract will be for a one year period from time of award. The contract will be for the initial purchase of 12 units with the option to purchase up to 6 additional units at the same price during the said time period pending available funding or unforeseen circumstances such as a wrecked vehicle or an act of God.

20. CONTRACT EXTENSION

20.1 Automatic contract renewals or extensions are not allowed. Contracts must be extended or renewed with the proper documents signed or approved by the Mississippi Forestry Commission.

20.2 The Mississippi Forestry Commission reserves the right to extend the term of a contract, when necessary, to continue a source of supply whenever new or replacement contracts are not completed prior to the expiration date. Such extensions are dependent upon the agreement of the Contractor and shall not exceed three (3) months.

21. SUSPENSION AND DEBARMENT

21.1 By submitting a bid, the bidder is certifying that neither the bidder nor any potential subcontractors are debarred or suspended or are otherwise excluded from or ineligible for participation in federal assistance programs.

22. ASSIGNMENT

22.1 The Contractor shall not assign or subcontract in whole or in part, its right or obligations under this agreement without prior written consent of the Mississippi Forestry Commission.

23. INDEMINIFICATION

23.1 Contractor shall indemnify, defend, save and hold harmless, protect, and exonerate the State of Mississippi, its Commissioners, Board Members, officers, employees, agents, and representatives from and against all claims, demands, liabilities, suits, actions, damages, losses, and costs of every kind and nature whatsoever, including, without limitation, court costs, investigative fees and expenses, and attorneys' fees, arising out of or caused by Contractor's and/or its partners, principals, agents, employees, and/or subcontractors in the performance of or failure to perform this Agreement. In the State's sole discretion, Contractor may be allowed to control the defense of any such claim, suit, etc. In the event Contractor defends said claim, suit, etc., Contractor shall use legal counsel acceptable to the State; Contractor shall be solely liable for all reasonable costs and/or expenses associated with such defense and the State shall be entitled to participate in said defense. Contractor shall not settle any claim, suit, etc., without the State's concurrence, which the State shall not unreasonably withhold.

24. LIVE AUCTION

24.1 Notification of Auction Start date and time will be sent via email to qualifying bidders. If a bidder is unwilling or unable to participate through MAGIC, a representative from the Mississippi Forestry Commission can enter the Vendor's bid(s) manually (i.e. Surrogate Bidding). If a bidder elects to participate via Surrogate Bidding, the bidder must be physically present at the public bidding location, with the means to submit written bids for each offer made and signed by an authorized agent of the Vendor. A Bid Form will be provided to the Vendor at the start of the auction. This form will not be returned to the bidder but will become a part of the Bid Documentation for Evaluation by the Mississippi Forestry Commission.

24.2 The Auction time may be extended at the discretion of the Mississippi Forestry Commission. Examples of reasons to extend an auction include, but are not limited to, technical difficulties experienced by the Mississippi Forestry Commission or bidder, the need to pause the Auction, or bids placed within the last few moments of bidding.

24.3 Communication with bidders participating electronically during the Auction may be done via the Live Chat Feature. The Mississippi Forestry Commission has the ability to send messages to particular bidders or broadcast to all bidders. Bidders can ONLY communicate with the Mississippi Forestry Commission, not other bidders.

24.4 Bidders may be removed from a Live Auction for improper conduct, including but not limited to profanity, threats, consistently entering erroneous or extremely low bids, or other disruptive behavior.

25. FORCE MAJEURE

25.1 If the Mississippi Forestry Commission is closed for any reason, including but not limited to: acts of God, strikes, lockouts, riots, acts of war, epidemics, governmental regulations superimposed after the fact, fire, earthquakes, floods, or other natural disasters (the "Force Majeure Events"), which closure prevents the opening of bids at the advertised date and time, all bids received shall be publicly opened and read aloud on the next business day that the agency shall be open and at the previously advertised time. The new date and time of the bid opening, as determined in accordance with this paragraph, shall not be advertised, and all bidders, upon submission of a bid proposal, shall be deemed to have knowledge of and shall have agreed to the provisions of this paragraph. Bids shall be received by the agency until the new date and time of the bid opening as set forth herein. The Mississippi Forestry Commission shall not be held responsible for the receipt of any bids for which the delivery was attempted and failed due to the closure of the Mississippi Forestry Commission as a result of a Force Majeure Event. Each bidder shall be required to ensure the delivery and receipt of its bid by the Mississippi Forestry Commission prior to the new date and time of the live auction or bid opening.

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SPECIFICATIONS
TWELVE (12) EXTENDED CAB TANDEM WHEELED TRUCKS WITH BEDS

1. GENERAL INFORMATION

- A. These trucks will be a new current year model and come equipped with all factory standard features including the following options:

2. ENGINE

- A. Must be Inline 6-cylinder diesel
- B. 350 HP or greater with Compression Brake
- C. 1150 lb-ft torque or greater
- D. 9 Liter engine displacement or greater (no exceptions)

3. ELECTRONIC PARAMETERS

- A. Must be able to sustain a highway speed of 70 MPH, but no more than 75 MPH at governed RPM.

4. ENGINE EQUIPMENT

- A. Alternator, 12-volt, 240 amp. Minimum
- B. Fan Drive, automatic
- C. Engine block heater, 115 volt, with plug-in receptacle mounted under cab, LH door
- D. Three (3), 12 volt batteries, maintenance free, 1950 CCA minimum
- E. Automatic engine de-rate system with light and buzzer
- F. Battery box, with cover, frame mounted
- G. Air compressor, 13 CFM minimum
- H. HD cooling capacity
- I. Battery disconnect switch

5. TRANSMISSION, AUTOMATIC

- A. Must be close ratio, 6-speed with overdrive, On/Off Hwy, includes oil level sensor, with PTO provision, less retarder, maximum input 370 hp, maximum input torque 1250 lb-ft, maximum turbine torque 1600 lb-ft and 80,000-lb GVW & GCW.

6. FRONT AXLE AND EQUIPMENT

- A. HD16,000 lb. front axle
- B. 16,000 lb. flat leaf front suspension
- C. Front brakes, Air Disc
- D. Power steering with dual power steering gears
- E. Front wheel seals, oil lubricated wheel bearings

7. REAR AXLE AND EQUIPMENT

- A. 46,000 lb. Rear axle with heavy duty housing
- B. Driver controlled traction differential, both tandem rear axles
- C. Rear axle gear ratio to achieve desired road speed
- D. Rear brakes, Air Disc

8. REAR SUSPENSION

- A. 46,000 lb. Heavy duty air ride suspension
- B. 51" to 56" axle spacing
- C. Manual dash mounted dump valve for suspension with gauge and audible warning

9. BRAKE SYSTEM

- A. Dual air brake system, with clear frame behind cab.
- B. Air dryer with heater, mounted to provide clean CT
- C. Moisture drain valve will pull cable drain

10. WHEELBASE AND FRAME

- A. Effective CT of 151" EXTEND FRAME FOR WEIGHT DISTRIBUTION
- B. Must have at least 108" of after frame
- C. Frame rails heat treated steel alloy (120,000 PSI)
- D. C-channel frame insert heat treated steel alloy (120,000 PSI) to run full length of frame

11. CHASSIS EQUIPMENT

- A. Steel front bumper
- B. Front tow hooks-frame mounted
- C. With or without mud flap brackets
- D. Eighty (80) gallon, aluminum fuel tank, under cab mounted, passenger's side
- E. Diesel Exhaust Fluid (DEF) tank to be mounted on driver's side.
- F. Fuel/water separator, sight glass or indicator light
- G. Single exhaust system, muffler and vertical exhaust with heat shield mounted on passenger side of cab
- H. Access steps to run full length of cab, driver and passenger side

12. TIRES

- A. Front tires, 315/80R22.5, 18 ply radial
- B. Rear tires, 11R22.5, 16 ply radial

13. WHEELS

- A. Wheels, front, 22.5 X 9.00, 10-stud 9.00 rims w/steel hubs
- B. Wheels, rear 22.5 X 8.25, 10-stud 8.25 rims w/steel hubs
- C. Spare tire, 11R22.5, 16 ply radial, 22.5 X 8.25, 10-stud 8.25 rim, G88

14. CAB EXTERIOR

- A. Air cab mounts
- B. Non-automotive conventional EXTENDED CAB
- C. Non-removable bug screen mounted behind grill
- D. West coast type mirrors, with convex mirror on both sides
- E. Air horn, single base, cab-roof mounted
- F. All glass windows tinted
- G. Tilting front end
- H. Paint schematic single color
- I. Paint base coat/clear coat.
- J. Paint class premium color, white
- K. Access grab handles mounted immediately behind driver and passenger doors

15. CAB INTERIOR

- A. Interior cab fleet trim
- B. Air suspension seats with armrests for driver and passenger
- C. Record storage
- D. LH and RH door map pockets
- E. Forward roof mounted console
- F. Heater/defroster and air conditioner
- G. Two (2) 12-volt power supply, in dash, with 20-amp circuit cigarette lighter type

- H. 110-volt, 400-watt AC, outlet in dash, with on/off switch
- I. Highway warning triangular reflectors, complying with federal motor standard #125. DOT compliant
- J. Adjustable telescoping tilt steering column (no exceptions)

16. INSTRUMENTS AND CONTROLS

- A. Complete instrument gauge cluster, English electronics speedometer and a tachometer for air brake chassis
- B. Dual rear axle temperature gauges-tandem axle
- C. Cruise control-electronic
- D. AM/FM/WB/USB/Bluetooth radio

17. STIPULATIONS

- A. Each truck will have a comprehensive 12-month warranty and a 72-month/50,000 mile extended engine and 5-year transmission warranty to include engine electronics and fuel injectors. All documentation of the warranty information will be included with the bid. **All warranties will become effective the date the truck is put into service by the Mississippi Forestry Commission.**
- B. All trucks will come furnished with operator's manual, and mud flaps
- C. All trucks will be delivered to bed manufacturer within 90 days of winning bidder receiving Purchase Order and in full compliance with these specifications. Payment will be processed once trucks with bed installed are delivered to Mississippi Forestry Commission.
- D. The supplier will provide service manuals (or CDs) and parts manuals (or CDs)
- E. The supplier will provide a minimum of four (4) hours training to each location receiving a truck. The training will cover operation, maintenance and safety.
- F. **All truck bed outfitting shall be performed at an authorized facility, approved both by the truck manufacturer and the Mississippi Forestry Commission. The Mississippi Forestry Commission reserves the right to conduct periodic onsite inspections during bed construction and installation.**

18. BED SPECIFICATIONS (17' flatbed w/6' Beaver Tail)

- A. No spot welds, all joints must be fully welded
- B. Main body shall be 17' long
- C. Beaver tail shall be 6' long and sloped on 12 degrees
- D. Overall width shall be 102"
- E. Long Rail shall be constructed of 5" – 10 # I-beam and spaced on 34" centers.
- F. Cross members shall be constructed of 3" 5.7 # I-beam on 12" centers
- G. Rub rail shall be constructed of 6" – 8.2 # Channel and assembled with legs facing outward
- H. Floor Plate shall be constructed of ¼" ASTM A786 Plate
- I. Front corners of bed shall be rounded off to approximately 1" radius

- J. Rear skirt shall be constructed of 10" – 25.4 # channel
- K. Track guide shall be constructed of 3" x 2" x ¼" angle with the front rail being 144" long and the rear being 72" long
- L. Cleats shall be constructed of 2" x 2" x 3/8" angle on 69" track centers. Install cleats on beaver tail only. Locate and weld cleat on welded seam where beaver tail and main body connect
- M. Ramp mount plates shall be constructed of 1" ASTM A36 plate
- N. Cylinder mount plates shall be constructed of 1" ASTM A36 plate
- O. Cylinder base pin shall be constructed of 1 ½" diameter ASTM A108 CR RD
- P. Body shall be mounted using ½" x 3" mounting bars with a minimum of four (4) mounting bars on main body and two (2) mounting bars on beaver tail. A minimum of one (1) grade 8 bolt must be used per mounting bar
- Q. Bent forged lashing rings capable of a Working Load Limit (WLL) of 12,000 lbs. each will be installed two (2) per side on main body. Location of lashing rings will be determined by Mississippi Forestry Commission
- R. Four (4) ratchet type load binders with Working Load Limit (WLL) of 12,000 lbs. each shall be provided, and permanently fixed to lashing rings.
- S. Beaver Tail shall have 2" x # 9 expanded metal tack welded to rear of dove tail for non skid surface approximately 36" x 36"
- T. Cable step shall be installed at rear of beaver tail.
- U. Main body shall have 2" x # 9 expanded metal tack welded to both left and right front corners adjacent to cross box for non-skid surface

19. BULK HEAD ASSEMBLY

- A. Bulkhead shall be 90" wide, and extend to 4" above cab height
- B. Bulkhead shall be constructed of 6" x 2" x ¼" wall ASTM A500 tube outer frame left, right and top
- C. 6" – 8.2 # channel cross members shall be welded @ 9 ½" from floor level and 33" from floor level
- D. 2" x # 9 expanded metal shall be welded to front side of bulkhead for Window

20. CROSS BOX (STORAGE)

- A. Cross box shall be 24" x 8" x 90" with latched door on both ends
- B. Cross Box shall be constructed of 10 gauge ASTM A1011-45
- C. Cross box must have a four (4) evenly spaced blade supports on tool box constructed of 4" - 5.4 Channel and must be able to support the full weight of the blade

21. RAMP ASSEMBLY

- A. Ramps will be 26" wide and 80" long
- B. Main rail shall be constructed of 6" – 8.2 # channel
- C. Center rail shall be constructed of 4" – 5.4 # channel
- D. Cross member shall be constructed of 4" – 5.4 # channel on 24" centers

- E. Upper Cylinder Mounting bar shall be 5/8" x 5" ASTM A36 HR FB and welded to 4" - 5.4 # channel cross member
- F. Upper Cylinder Attaching Ear shall be constructed of 3/4" ASTM A36 Plate
- G. Ramp safety latch shall be constructed of 1/4" flat bar and pinned at each end. Bar hanger shall be welded to bed for purpose of storing hanger bar when ramps are down
- H. Cleats shall be constructed of 2" x 2" x 3/8" angle and welded on 12" Spacing
- I. Cylinder top pin shall be 3/4" diameter ASTM A108 CR RD
- J. Ramp pivot pin shall be constructed of 1 1/4" diameter ASTM A108 CR RD
- K. The area of the ramp that contacts the ground will be covered with 1/4" Plate
- L. Ramps, when lowered on level ground, should maintain the same slop as the Beaver tail
- M. Ramp shall have grab handle mounted to inside of ramp

22. OUT RIGGER ASEEMBLY (MUST ATTACH TO THE FRONT OF THE RAMP WHERE THE RAMP ATTACHES TO THE BED)

- A. Outrigger should be welded solid to bottom side of ramps as close to front as possible
- B. Outrigger sides shall be constructed of 4" – 5.4 # Channel
- C. Bottom foot shall be constructed of 6" x 2" x 1/4" tube and capped on both ends
- D. Foot shall be no more than 1 1/2" above level ground when body is unloaded and must have firm contact with ground during loading and unloading.

23. HYDRAULIC & CONTROLS STORAGE

- A. Storage box shall be 18" wide x 36" long and deep enough to accommodate the power unit and switch. Constructed of 1/4" plate, top to fit the slope of Beaver tail
- B. The door shall be constructed of 1/4" plate and be equipped with two (2) spring latches and two (2) hinges
- C. Hydraulic cylinders shall be 2" x 16" with 1" chrome hardened (One per ramp)
- D. Power unit shall be 12-volt, dual stage (power up & down) w/float.
- E. Must be fitted with the large capacity hydraulic oil storage tank.
- F. Hydraulic oil tank must be easily accessible to accommodate checking and refilling of fluid.
- G. Power unit power cable run to unit must be in a protective cover.
- H. Power On/Off switch for the power unit to be mounted inside the battery box.
- I. Hydraulic hoses shall be a minimum of 3/8" diameter fitted with swivel elbows on cylinder.

24. LIGHT REQUIREMENTS

- A. LED lights shall be mounted on both sides of the bed to be in compliance with FMVSS-108.
- B. There shall be one (1) LED amber light mounted in outer channel at front and one (1) LED amber light mounted in outer channel where dove tail begins.

- C. Oval Stop, Turn, and Taillights shall be LED, and mounted in rear skirt.
- D. Clear LED Backup light mounted in rear Skirt.
- E. Four (4) flashing RED LED lights, each consisting of six (6) 4-watt Cree LEDs, providing 40 degrees of light spread, shall be mounted two (2) light heads on the grill at the outside corners and two (2) light heads vertically in the rear body skirt. Front and rear lights to be controlled by separate dash mounted, permanently labeled on/off switches.
- F. 48" low profile LED light bar, mounted to top of bulkhead, single color RED, consisting of 4-watt Cree LEDs. Front and rear facing lights to be controlled by separate dash mounted, permanently labeled on/off switches.
- G. Shall be equipped with back up alarm.
- H. Two (2) adjustable halogen work lights (one driver side and one passenger side) shall be installed on headboard facing main deck with separate on/off switches installed in cab and on bulkhead. Contact Mississippi Forestry Commission for location.

25. WATERPROOF STORAGE BOX

- A. Bidder shall supply two (2) 36" x 24" x 24" lockable waterproof storage boxes that shall be frame mount. One on either side of main body.

26. BACK FIRE FUEL TANK

- A. Auxiliary, non-plumbed, thirty (30) gallon aluminum fuel tank, frame mounted, under bed, passenger's side, forward of storage box, permanently labeled "BACK FIRE FUEL ONLY"
- B. Fuel tank to have built in gauge, or sight glass
- C. 90-degree, 3/4" Drain valve, threaded to allow standard hose fittings, to be toward the front of the truck

27. PLOW REST

- A. Main plate shall be constructed of 1" ASTM A36 pl with approximate dimensions of 18" wide x 12" tall.
- B. Top section of main plate shall be notched 4" deep x 13" wide in center of plate leaving 4" tall guides. These guides shall be cut on an angle from the bottom to the top to create a slope on each side.
- C. The mounting plate shall be 1/2" thick approximately 8" x 18" with three (3) braces 1/2" thick x 4" tall located on the back side of the mounting plate to create a 45-degree angle on the main plate to the beaver tail.
- D. Plow rest shall be hinged with a 3/4" hinge pin. The hinge tube shall have 1/4" side walls.
- E. The hinge pin shall be removable and greasable.
- F. The mounting plate shall be fastened to the bed with six (6) 1/2" grade 8 bolts.
- G. Contact Mississippi Forestry Commission for location of Plow Rest.

27. TRACK STOPS

- A. Track stops shall be a minimum of 21" tall x 8" wide
- B. Track stops shall have a radius on the rear facing side to accept a contour of track leading edge.

Contact Mississippi Forestry Commission

**MISSISSIPPI FORESTRY COMMISSION
660 North Street, Suite 300
Jackson, MS 39202
April 2020**

TWELVE (12) EXTENDED CAB TANDEM WHEELED TRUCKS WITH BEDS

_____ each

The quote is in full compliance with all Mississippi Forestry Commission instructions and specifications.

Company/Individual

Official Signature

Address

Contact Person

City

State

Zip

Business Phone

Email

Date

RFx # 3140002230