



INVITATION TO BID NO: 10-R-2213434

STATE OF ALABAMA  
DEPARTMENT OF FINANCE  
DIVISION OF PURCHASING

REQ. AGENCY : 004008  
WILDLIFE & FRESHWATER FISHERIES  
AGENCY REQ. NO. : 030022  
T-NUMBER :  
DATE ISSUED : 10/20/09  
VENDOR NO. :  
VENDOR PHONE NO. :  
SNAP REQ. NO. : 1430301  
BUYER NAME : CRIST WATTS

INVITATION TO BID

FOR: BACKHOE/LOADER

BUYER PHONE NO. : (334) 242-4291-  
PURCHASING PHONE NO: (334) 242-7250

BID MUST BE RECEIVED BEFORE:  
DATE: 11/16/09 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:  
DATE: 11/17/09 TIME: 10:00 AM

TO BE COMPLETED BY VENDOR

INFORMATION IN THIS SECTION SHOULD BE PROVIDED, AS APPROPRIATE. BID RESPONSE MUST BE IN INK OR TYPED WITH ORIGINAL SIGNATURE AND NOTARIZATION.

1. DELIVERY: CAN BE MADE \_\_\_\_\_ DAYS OR \_\_\_\_\_ WEEKS AFTER RECEIPT OF ORDER
2. TERMS: \_\_\_\_\_(DISCOUNTS ARE TAKEN WITHOUT REGARD TO DATE OF PAYMENT.)
3. PRICE VALID FOR ACCEPTANCE WITHIN \_\_\_\_\_ DAYS.
4. VENDOR QUOTATION REFERENCE NUMBER, IF ANY: \_\_\_\_\_  
(THIS NUMBER WILL APPEAR ON THE PURCHASE ORDER.)
5. E-MAIL ADDRESS: \_\_\_\_\_  
INTERNET WEBSITE: \_\_\_\_\_
6. GENERAL CONTRACTOR'S LICENSE NO: \_\_\_\_\_  
TYPE OF G.C. LICENSE: \_\_\_\_\_

\*\*\*\*\* IMPORTANT NOTE: \*\*\*\*\*

BIDDERS MUST COMPLY WITH ALL "BID RESPONSE INSTRUCTIONS" ON PAGE 2, TO INCLUDE ITEM 7 - COPY REQUIREMENT.

RETURN INVITATION TO BID:

US MAIL

COURIER

STATE OF ALABAMA  
DEPARTMENT OF FINANCE  
DIVISION OF PURCHASING  
P O BOX 302620  
MONTGOMERY, AL 36130-2620

STATE OF ALABAMA  
DIVISION OF PURCHASING  
RSA UNION BUILDING  
100 N. UNION ST., SUITE 192  
MONTGOMERY, AL 36104

SIGNATURE AND NOTARIZATION REQUIRED

I HAVE READ THE ENTIRE BID AND AGREE TO FURNISH EACH ITEM OFFERED AT THE PRICE QUOTED. I HERBY AFFIRM I HAVE NOT BEEN IN ANY AGREEMENT OR COLLUSION AMONG BIDDERS IN RESTRAINT OF FREEDOM OF COMPETITION BY AGREEMENT TO BID AT A FIXED PRICE OR TO REFRAIN FROM BIDDING.

SWORN TO AND

FEIN OR SSN

AUTHORIZED SIGNATURE (INK)

SUBSCRIBED BEFORE ME THIS

COMPANY NAME

TYPE/PRINT AUTHORIZED NAME

\_\_\_\_\_ DAY OF \_\_\_\_\_

MAIL ADDRESS

TITLE

NOTARY PUBLIC

CITY, STATE, ZIP

TOLL FREE NUMBER

TERM EXP: \_\_\_\_\_

PHONE INCLUDING AREA CODE

FAX NUMBER

STANDARD TERMS & CONDITIONS

VENDOR NAME :

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AUTHORITY:

THE DEPARTMENT OF FINANCE CODE OF ADMINISTRATIVE PROCEDURE, CHAPTER 355-4-1 EFFECTIVE DECEMBER 20, 2001 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS DOCUMENT. TO RECEIVE A COPY CALL (334)242-7250, OR OUR WEBSITE WWW.PURCHASING.ALABAMA.GOV .

INFORMATION AND ASSISTANCE TO MINORITY BUSINESSES IN THE TECHNICAL COMPLETION OF REQUIRED FORMS MAY BE OBTAINED FROM THE OFFICE OF MINORITY BUSINESS ENTERPRISE, 1-800-447-4191.

BID (ITB) RESPONSE INSTRUCTIONS REV: 09/18/09

1. TO SUBMIT A RESPONSIVE BID, READ THESE INSTRUCTIONS, ALL TERMS, CONDITIONS AND SPECIFICATIONS.
2. BID ENVELOPES/PACKAGES/BOXES MUST BE IDENTIFIED ON FRONT, PREFERABLY LOWER LEFT CORNER AND BE VISIBLE WITH THE BID NUMBER AND OPENING DATE. EACH INDIVIDUAL BID (IDENTIFIED BY A UNIQUE BID NUMBER) MUST BE SUBMITTED IN A SEPARATE ENVELOPE. RESPONSES TO MULTIPLE BID NUMBERS SUBMITTED IN THE SAME ENVELOPE/COURIER PACKAGE, THAT ARE NOT IN SEPARATE ENVELOPES PROPERLY IDENTIFIED, WILL BE REJECTED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR LATE BIDS FOR ANY REASON INCLUDING THOSE DUE TO POSTAL, OR COURIER SERVICE. BID RESPONSES MUST BE IN THE DIVISION OF PURCHASING OFFICE PRIOR TO THE "RECEIVE DATE AND TIME" INDICATED ON THE BID.
3. BID RESPONSES (PAGE 1, PRICE SHEET AND ADDENDUMS (WHEN SIGNATURE IS REQUIRED)) MUST BE IN INK OR TYPED ON THIS DOCUMENT. OR EXACT FORMAT WITH SIGNATURES BEING HANDWRITTEN ORIGINALS IN INK (PERSON SIGNING BID, NOTARY, AND NOTARY EXPIRATION), OR THE BID WILL BE REJECTED. UNLESS INDICATED IN THE BID, ALL PRICE PAGES MUST BE COMPLETED AND RETURNED. IF AN ITEM IS NOT BEING BID, IDENTIFY IT AS NB (NO-BID). PAGES SHOULD BE SECURED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR MISSING PAGES. FAXED BID RESPONSES WILL NOT BE ACCEPTED.
4. THE UNIT PRICE ALWAYS GOVERNS REGARDLESS OF THE EXTENDED AMOUNT. A UNIT PRICE CHANGE ON A LINE MUST BE INITIALED BY THE PERSON SIGNING THE BID, OR THAT LINE WILL BE REJECTED. THIS INCLUDES A CROSS-OUT, STRIKE-OVER, INK-OVER, WHITE-OUT, ERASURE, OR ANY OTHER METHOD CHANGING THE PRICE.
5. A "NO BID" MUST BE RETURNED TO REMAIN ON A CLASS/SUBCLASS. RETURN PAGE 1 OR NOTIFICATION PAGE MARKED "NO-BID". IDENTIFY IT ON THE ENVELOPE AS A "NO-BID". FAILING TO RESPOND TO 3 ITB'S WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. RESPONDING WITH 6 "NO-BIDS" WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. A "NO-BID" RECEIVED LATE IS CONSIDERED A NO RESPONSE.
6. THE DIVISION OF PURCHASING IS NOT RESPONSIBLE FOR MISINTERPRETATION OF DATA FAXED FROM THIS OFFICE.
7. THE DIVISION OF PURCHASING REQUIRES AN ORIGINAL AND A MINIMUM OF ONE COMPLETE EXACT COPY (TO INCLUDE SIGNATURE AND NOTARY) OF THE INVITATION-TO-BID RESPONSE. THE ORIGINAL AND THE COPY SHOULD BE SUBMITTED TOGETHER AS A BID PACKAGE. FAILURE TO MARK RESPONSES AS "ORIGINAL" AND/OR "COPY" COULD RESULT IN THE ENTIRE BID RESPONSE BEING REJECTED.
8. AN IMPROPERLY SUBMITTED BID, LATE BID, OR BID THAT IS CANCELLED ON OR BEFORE THE OPENING DATE WILL BE HELD FOR 90 DAYS AND THEN DESTROYED. THE BID MUST BE RETRIEVED DURING REGULAR WORK HOURS, MONDAY - FRIDAY, EXCEPT STATE HOLIDAYS. AFTER THE BID IS DESTROYED, THE DIVISION OF PURCHASING ASSUMES NO RESPONSIBILITY FOR THE DOCUMENT.

DISQUALIFIED/CANCELLED BID

BIDS THAT ARE IMPROPERLY SUBMITTED OR RECEIVED LATE WILL BE A RESPONSE FOR RECORD, BUT WILL NOT BE RETURNED OR A NOTIFICATION MAILED.

THE FOLLOWING IS A PARTIAL LIST WHEREBY A BID RESPONSE WILL BE DISQUALIFIED:

- BID NUMBER NOT ON FACE OF ENVELOPE/COURIER PACKAGE/BOX
- RESPONSES TO MULTIPLE BID NUMBERS IN SAME ENVELOPE NOT PROPERLY IDENTIFIED
- BID RECEIVED LATE
- BID NOT SIGNED/NOT ORIGINAL SIGNATURE
- BID NOT NOTARIZED/NOT ORIGINAL SIGNATURE OF NOTARY AND/OR NO NOTARY EXPIRATION
- NOTARIZED OWN SIGNATURE
- REQUIRED INFORMATION NOT SUBMITTED WITH BID
- FAILURE TO SUBMIT THE ORIGINAL BID AND A COMPLETE EXACT COPY

CERTIFICATION PURSUANT TO ACT NO. 2006-557

ALABAMA LAW (SECTION 41-4-116, CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE, AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEARBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.

SPECIAL TERMS & CONDITIONS

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INVITATION TO BID

#### INTENT TO AWARD

EFFECTIVE MAY 1, 2008, THE STATE OF ALABAMA - DIVISION OF PURCHASING WILL ISSUE AN 'INTENT TO AWARD' BEFORE A FINAL AWARD IS MADE. THE 'INTENT TO AWARD' WILL CONTINUE FOR A PERIOD OF FIVE (5) CALENDAR DAYS, AFTER WHICH A PURCHASE ORDER WILL BE PRODUCED. UPON FINAL AWARD, ALL RIGHTS TO PROTEST ARE FORFEITED. A DETAILED EXPLANATION OF THIS PROCESS MAY BE REVIEWED IN THE ALABAMA ADMINISTRATIVE CODE - CHAPTER 355-4-1(14).

#### ALTERNATE BID RESPONSE

UNLESS STATED ELSEWHERE IN THIS INVITATION-TO-BID (ITB) THE STATE OF ALABAMA WILL ACCEPT AND EVALUATE ALTERNATE BID SUBMITTALS ON ANY ITB'S. ALTERNATE BID RESPONSES WILL BE EVALUATED ACCORDING TO THE REQUIREMENTS AS ALL OTHER RESPONSES TO THIS ITB.

#### INTERNET WEBSITE LINK'S

INTERNET AND/OR WEBSITE LINKS WILL NOT BE ACCEPTED IN BID RESPONSES AS A MEANS TO SUPPLY ANY REQUIREMENTS STATED IN THIS ITB (INVITATION-TO-BID).

#### PRODUCT DELIVERY, RECEIVING AND ACCEPTANCE

IN ACCORDANCE WITH THE UNIVERSAL COMMERCE CODE (CODE OF ALABAMA, TITLE 7), AFTER DELIVERY, THE STATE OF ALABAMA HAS THE RIGHT TO INSPECT ALL PRODUCTS BEFORE ACCEPTING. THE STATE WILL INSPECT PRODUCTS IN A REASONABLE TIMEFRAME. SIGNATURE ON A DELIVERY DOCUMENT DOES NOT CONSTITUTE ACCEPTANCE BY THE STATE. THE STATE WILL ACCEPT PRODUCTS ONLY AFTER SATISFACTORY INSPECTION.

#### SALES TAX EXEMPTION

PURSUANT TO THE CODE OF ALABAMA, 1975, TITLE 40-23-4 (A) (11), THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

#### INVOICES

INQUIRIES CONCERNING PAYMENT AFTER INVOICES HAVE BEEN SUBMITTED ARE TO BE DIRECTED TO THE RECEIVING AGENCY, NOT THE DIVISION OF PURCHASING

#### BID RESPONSES AND BID RESULTS

UNEVALUATED BID RESPONSES (NOT BID RESULTS) ARE AVAILABLE ON OUR WEB SITE AT WWW.PURCHASING.ALABAMA.GOV. BID RESULTS WILL BE MADE AVAILABLE FOR REVIEW IN THE DIVISION OF PURCHASING OFFICE, BUT ONLY AFTER THE BID HAS BEEN AWARDED. WE DO NOT FAX OR MAIL COPIES OF BID RESULTS. IF A VENDOR WISHES TO REVIEW BID RESULTS IN OUR OFFICE, THEY SHOULD FAX THEIR REQUEST TO REVIEW THE BID TWO DAYS IN ADVANCE TO THE "BID REVIEW CLERK" AT (334) 242-4419. BE SURE TO REFERENCE THE BID NUMBER.

#### FOREIGN CORPORATION - CERTIFICATE OF AUTHORITY

ALABAMA LAW PROVIDES THAT A FOREIGN CORPORATION (AN OUT-OF-STATE COMPANY/FIRM) MAY NOT TRANSACT BUSINESS IN THE STATE OF ALABAMA UNTIL IT OBTAINS A CERTIFICATE OF AUTHORITY FROM THE SECRETARY OF STATE. SECTION 10-2B-15.01, CODE OF ALABAMA 1975. TO OBTAIN FORMS FOR A CERTIFICATE OF AUTHORITY, CONTACT THE SECRETARY OF STATE, CORPORATIONS DIVISION, (334) 242-5324. THE CERTIFICATE OF AUTHORITY DOES NOT KEEP THE VENDOR FROM SUBMITTING A BID.

#### BID IDENTIFICATION

REFERENCE PAGE 2, ITEM 2. DUE TO THE POSTAL SERVICE PUTTING BAR CODE LABELS ON ENVELOPES, IT CONCEALS THE BID NUMBER AND DATE IF THE VENDOR HAS WRITTEN THEM OTHER THAN THE LOWER LEFT CORNER, THEREFORE THE BID WOULD BE REJECTED FOR NOT BEING PROPERLY IDENTIFIED.

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AWARD:

THE AWARD SHALL BE MADE TO THE LOWEST RESPONSIBLE BIDDER MEETING ALL SPECIFICATIONS.

FREIGHT:

BID IS F.O.B. DESTINATION. ANY FREIGHT CHARGES MUST BE INCLUDED IN THE BID PRICES.

DESCRIPTIVE LITERATURE:

THE BRAND AND MODEL NUMBER REFERENCED PROVIDE A LEVEL OF QUALITY, AND UNLESS OTHERWISE SPECIFIED, ARE NOT RESTRICTIVE. ALL VENDORS BIDDING ON THIS ITB MUST PROVIDE ANY VARIATIONS FROM THE SPECIFICATIONS ON A SEPARATE SHEET OF PAPER, AND COMPLETE DESCRIPTIVE/TECHNICAL LITERATURE FOR CONSIDERATION AND EVALUATION WITH THEIR BID, AND WITH THE BID COPY PER ITEM NUMBER 7 ON PAGE 2. REFERENCE TO LITERATURE WITH A PREVIOUS BID WILL NOT SATISFY THIS REQUIREMENT. FAILURE TO PROVIDE THE REQUIRED LITERATURE WILL RESULT IN THE REJECTION OF YOUR BID. PHYSICAL INSPECTION AND OPERATIONAL EVALUATION MAY ALSO BE REQUIRED WITHOUT COST OR OBLIGATION TO THE STATE OF ALABAMA.

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
UNLESS SPECIFIED OTHERWISE BELOW:					
SHIP TO: 004008 / 004M18					
WILDLIFE & FRESHWATER FISHERIES					
JACKSON CO WATERFOWL AREAS					
15 MI NORTHEAST OF					
SCOTTSBORO ON HWY 72					
SCOTTSBORO AL 35768					
00001	COMMODITY CODE: 760-03-085487 BACKHOE, FOUR WHEEL DRIVE 98 H.P. MIN.	1	EA		
ONE NEW CURRENT YEAR MANUFACTURER'S 4X4 LOADER/BACKHOE MEETING THE FOLLOWING SPECIFICATIONS:					
ENGINE					
FOUR CYCLE, TURBOCHARGED, ISOLATION MOUNTED DIESEL ENGINE AND SHALL BE DESIGNED AND BUILT BY THE MANUFACTURER. ENGINE SHALL: BE CERTIFIED TO EPA TIER III EMISSIONS, HAVE AN INDIVIDUALLY RE- PLACEABLE, WET-SLEEVE CYLINDER LINER DESIGN TO DISSIPATE HEAT FOR REDUCED RING WEAR AND OIL BREAKDOWN, HAVE A SER- PENTINE BELT WITH AUTOMATIC BELT TEN- SIONER, HAVE NO MORE THAN 30-MICRON RATED PRIMARY FUEL FILTER WITH WATER SEPARATOR, AND HAVE NO MORE THAN 2-MICRON RATED SECONDARY FUEL FILTER. ENGINE DISPLACEMENT SHALL BE A MINIMUM OF 4.5 LITERS (276 CU. IN.) AND THE NET PEAK POWER (ISO9249) SHALL BE A MINIMUM OF 98 HP (73 KW) @ 2000 RPM. ENGINE SHALL DEVELOP AT LEAST A 47% TORQUE RISE AND SHOULD HAVE AT LEAST 306 LB. FT. NET TORQUE AT 1300 RPM. ENGINE BORE SHALL BE A MINIMUM OF 4.19 INCHES (106.5 MM) AND STROKE SHALL BE A MINIMUM OF 5 INCH- ES (127 MM). ENGINE SHALL BE EQUIPPED WITH A WATER-IN-FUEL SENSOR. ENGINE ACCESS SHALL BE BY TILT HOOD FOR EASY ACCESS. DAILY CHECK POINTS SHALL BE ACCESSIBLE FROM THE RIGHT SIDE AND AT GROUND LEVEL. AIR FILTER SHALL BE UNDER HOOD AND DRY TYPE, DUAL ELEMENT WITH EVACUATOR VALVE, RESTRICTION SENSOR, AND IN-CAB RESTRICTION WARNING LIGHT. MUFFLER SHALL BE UNDER HOOD WITH CURVED- END EXHAUST STACK.					
COOLING					
ENGINE COOLANT SHALL BE RATED TO AT LEAST -34 F (-37C). MACHINE MUST HAVE AN OIL-TO-WATER ENGINE OIL COOLER, A COOLANT RECOVERY TANK, AND A SUCTION- TYPE FAN WITH FAN-GUARD. AC CONDENSER SHALL BE SWING-OUT. TRANSMISSION AND HYDRAULIC COOLERS SHALL BE REMOTE MOUNT- ED FOR BETTER AIR EXCHANGE AND FEWER STACKED CORES. HYDRAULIC AND TRANSMIS- SION CIRCUITS SHALL BE WATER COOLED.					

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POWER TRAIN

TRANSMISSION SHALL BE POWERSHIFT WITH TORQUE CONVERTER; CLUTCH-FREE; FULLY SYNCHRONIZED FOUR FORWARD, THREE REVERSE SPEEDS; AND ISOLATION MOUNTED TO MAIN-FRAME. AXLE SHALL BE MECHANICAL FRONT-WHEEL-DRIVE WITH TRACTION CONTROL LIMITED-SLIP DIFFERENTIAL WITH ELECTRIC ON/OFF CONTROL AND SHALL BE SEALED TO PROTECT AGAINST CONTAMINATION. CLUTCH ENGAGED MECHANICAL FRONT-WHEEL-DRIVE CAN BE ENGAGED ON THE FLY DURING OPERATION. FOUR-WHEEL DRIVE SHALL AUTOMATICALLY SHUT OFF IN 4TH GEAR TO PROTECT TIRES, POWERTRAIN COMPONENTS, AND REDUCE FUEL CONSUMPTION. REAR AXLE SHALL HAVE A DIFFERENTIAL LOCK, ELECTRIC FOOT-ACTUATOR. SINGLE ELECTRIC FNR LEVER WILL HAVE GEAR SELECTION FULLY INTEGRATED IN THE LEVER. TRANSMISSION OIL COOLER SHALL BE PROVIDED. MACHINE SHALL HAVE HYDROSTATIC POWER STEERING WITH EMERGENCY MANUAL MODE. MACHINE SHALL HAVE A DIAL THROTTLE THAT WILL ALLOW THE OPERATOR TO ROAD THE MACHINE ON CRUISE CONTROL. UPON ENGAGEMENT OF THE BRAKE PEDAL, THE ENGINE RPMs SHALL RETURN TO IDLE. FINAL DRIVES SHALL BE HEAVY-DUTY OUTBOARD PLANETARY DISTRIBUTING LOADS OVER FOUR GEARS SEALED IN COOLING OIL BATH FOR LONG-LIFE AND TROUBLE FREE SERVICE. FRONT AXLE SHALL HAVE REMOTE GREASE BANK AND REAR AXLE BEARINGS SHALL BE SELF-LUBRICATING AND NOT NEED TO BE GREASED. SERVICE BRAKES SHALL BE INBOARD, WET-MULTIPLE DISK, SELF-ADJUSTING AND SELF-EQUALIZING AND HYDRAULICALLY ACTUATED, AND SEALED FROM WATER, MUD AND DUST CONTAMINATION. PARKING BRAKE SHALL BE INDEPENDENT OF SERVICE BRAKES, SPRING APPLIED, HYDRAULICALLY RELEASED, WET MULTI-DISK, AND SEALED FROM WATER, MUD, AND DUST CONTAMINATION. PARKING BRAKE SHALL AUTOMATICALLY APPLY WHEN ENGINE IS SHUT OFF.

HYDRAULIC SYSTEM

HYDRAULIC FITTINGS SHALL BE "O"-RING FACE SEAL CONNECTORS TO SECURE A TIGHT, LEAK FREE SEAL. HYDRAULIC FILTER SHALL BE NO MORE THAN 6 MICRON AND WILL BE VERTICALLY MOUNTED, SPIN-ON DESIGN. MACHINE MUST HAVE AUTOMATIC RETURN-TO-DIG CONTROL. HYDRAULIC PUMP MUST BE NO LESS THAN 42 GPM (159 L/MIN) AT 2200 RPM AT 3.625 PSI (24.993 KPA) AXIAL PISTON PUMP, PRESSURE COMPENSATING, LOAD SENSING.

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ELECTRICAL

MACHINE SHALL HAVE A 12 VOLT SYSTEM WITH 90 AMP ALTERNATOR; SINGLE 12 VOLT, 950 CCA, 190-MIN. RATED RESERVE BATTERY; BLADE TYPE, MILTI-FUSED CIRCUITS; AND STARTER WITH A BYPASS START SAFETY COVER. CAB TO BE PRE-WIRED FOR ROTATING BEACON AND RADIO-READY. MACHINE SHALL BE EQUIPPED WITH 10 HALOGEN DRIVING/WORKING LIGHTS (FOUR FRONT, FOUR REAR, AND TWO SIDE DOCKING) WITH FRONT LIGHT BULBS BEING NO LESS THAN 35,200 CANDLE-POWER EACH. MACHINE SHALL BE EQUIPPED WITH TWO FRONT AND TWO REAR TURN SIGNAL/FLASHING AND TWO REAR STOP AND TAIL LIGHTS AND TWO REAR REFLECTORS.

OPERATOR STATION

MACHINE SHALL BE EQUIPPED WITH A FACTORY INSTALLED CAB AND AIR CONDITIONER; ILLUMINATED ELECTRONIC GAUGES WITH AUDIBLE WARNING FOR ENGINE COOLANT TEMPERATURE, OIL TEMPERATURE, AND FUEL LEVEL; AND DIGITAL DISPLAY FOR ENGINE RPM, ENGINE HOURS, SYSTEM VOLTAGE, AND HYDRAULIC OIL TEMPERATURE. MONITOR SYSTEM SHALL HAVE AUDIBLE AND VISUAL WARNINGS FOR ENGINE AIR RESTRICTION, LOW ALTERNATOR VOLTAGE, ENGINE OIL PRESSURE AND TEMPERATURE, HYDRAULIC FILTER RESTRICTION, PARKING BRAKE ON/OFF, AND LOW BRAKE PRESSURE. SEAT BELT SHALL HAVE A VISUAL WARNING. MONITOR SHALL HAVE A DIGITAL MONITOR FOR DIAGNOSTICS, CALIBRATIONS AND MACHINE INFORMATION. ACCESS TO CAB SHALL BE FROM RIGHT AND LEFT SIDE WITH PROTECTED, WIDE, RIGID, SELF-CLEANING STEPS AND ERGONOMICALLY LOCATED HAND-HOLDS. SEAT SHALL BE SUSPENSION FABRIC SWIVEL WITH FULLY ADJUSTABLE ARMRESTS AND LUMBAR SUPPORT AND WITH A 3" RETRACTABLE SEAT BELT. COAT HOOK, BUILT-IN BEVERAGE HOLDER, OPERATOR MANUAL STORAGE COMPARTMENT, INTERIOR REARVIEW MIRROR, FRONT VIEW MIRROR, AND TWO 12 VOLT OUTLETS SHALL BE PROVIDED. KEY START SWITCH SHALL HAVE AN ELECTRIC FUEL SHUT-OFF. FOOT THROTTLE SHALL BE SUSPENDED.

GENERAL SPECIFICATIONS

VANDAL PROTECTION SHALL INCLUDE LOCKABLE ENGINE HOOD, TOOLBOX, HYDRAULIC RESERVOIR AND FUEL FILTER. OPERATING WEIGHT WITH CAB, MECHANICAL FRONT WHEEL DRIVE, EXTENDABLE DIPPERSTICK, 1000 POUNDS (454 KG) COUNTERWEIGHT, 1.5 CU. YD. LOADERBUCKET, AND 24 IN BACKHOE BUCKET SHALL NOT EXCEED 19100 POUNDS. FUEL

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TANK CAPACITY SHALL NOT BE LESS THAN 41 GALLONS (155 L) AND TANK MUST BE ACCESSIBLE FROM THE GROUND. FLUID LEVELS SHALL BE EASILY CHECKED BY SIGHT GAUGES, DIPSTICKS, OR OVERFLOW TANK. FACTORY INSTALLED FLUID SAMPLING VALVES SHALL BE AVAILABLE. TILT HOOD SHALL HAVE TWO SERVICE POSITIONS FOR EASY OPERATION. EASY TO READ PERIODIC MAINTENANCE AND GREASE CHART SHALL BE POSITIONED AT EYE LEVEL PROMINENTLY DISPLAYED ON THE FRAME.

OVERALL VEHICLE

MAINFRAME SHALL BE ONE-PIECE UNITIZED CONSTRUCTION. MACHINE SHALL HAVE TWO FRONT AND TWO REAR TIEDOWNS. SIDE PLATE THICKNESS ON THE LOADER BOOM, BACKHOE BOOM, AND MAINFRAME SHALL BE A MINIMUM OF 4.5 MIL. REAR TIRES SHALL BE 21LX24 (12 PLY). FRONT TIRES SHALL BE 12.5/80-18 (10 PLY). WHEEL BASE SHALL BE NO MORE THAN 7'. MACHINE SHALL BE EQUIPPED WITH AM/FM/WB RADIO, WINDSHIELD WASHER, SUN VISOR, 5 LB. FIRE EXTINGUISHER MOUNTED INSIDE CAB, AND AN EXTERIOR MOUNTED, GROUND LEVEL ACCESSED AND LOCKABLE STORAGE COMPARTMENT.

BACKHOE

BACKHOE WITH EXTENDED DIPPERSTICK DIGGING DEPTH SHALL BE NO LESS THAN 16' 1" RETRACTED AND 20' EXTENDED. LIFT CAPACITY AT GROUND LEVEL WITH DIPPERSTICK SHALL BE NO LESS THAN 2680 LBS. RETRACTED AND AT FULL HEIGHT NO LESS THAN 2962 LBS. DIPPERSTICK SHALL EXTEND NO LESS THAN 3' 11". SWING LOCK PIN SHALL BE IN THE OPERATOR'S STATION. STABILIZERS SHALL BE EQUIPPED WITH ANTI-DRIFT IN BOTH DIRECTIONS AND SHALL HAVE REVERSIBLE PADS. MACHINE SHALL BE EQUIPPED WITH A 24" HEAVY DUTY BACKHOE BUCKET WITH 8.8 CU. FT. CAPACITY. BACKHOE BOOM DESIGN SHALL BE A POWER CURVE. DIGGING FORCE SHALL BE AT LEAST 14801 LBS. BACKHOE SHALL BE EQUIPPED WITH RUBBER BUMPER/LINKAGE STYLE LOCKS. MACHINE SHALL BE EQUIPPED WITH TWO LEVER BACKHOE CONTROLS. SWING CASTING SHALL HAVE DUAL YOKES: ON TOP AND ON BOTTOM.

LOADER

LIFT CAPACITY WITH 1.5 CU. YD. BUCKET AT FULL HEIGHT SHALL BE A MINIMUM OF 7070 LBS. DUMP CLEARANCE WITH BUCKET AT 45 DEGREE ANGLE SHALL BE A MINIMUM OF 8'9". DIGGING DEPTH BELOW GROUND WITH 1.5 CU. YD. BUCKET SHALL BE A MINIMUM 6.2".

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BUCKET BREAKOUT FORCE SHALL BE A MINIMUM OF 10170 LBS. LOADER SHALL HAVE HYDRAULIC SELF-LEVELING AND BUCKET-LEVEL INDICATOR AND SHALL HAVE DIVERGENT LOADER ARMS FOR VISIBILITY. LOADER ARMS SHALL HAVE A CURVED-KNEE DESIGN. LOADER SHALL HAVE A NON-REMOVABLE, HINGED LOADER BOOM SERVICE LOCK. LOADER BUCKET SHALL BE EQUIPPED WITH REVERSIBLE BOLT-ON CUTTING EDGE.

WARRANTY

STANDARD MANUFACTURER'S WARRANTY.

EXTENDED WARRANTY

5 YR./2500 HOURS/FULL MACHINE COVERAGE.

MANUALS AND KEYS

ONE SET OF OPERATIONS AND PARTS MANUALS AND THREE SETS OF KEYS MUST BE PROVIDED.

MFR \_\_\_\_\_ MODEL \_\_\_\_\_  
 MODEL: JOHN DEERE 410J OR EQUAL

PAGE TOTAL

BID TOTAL

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