



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER
7011EC16

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
BUYER 33 304-558-2402

VENDOR

\*709054014      304-776-4406  
 STATE EQUIPMENT INC  
 PO BOX 3939  
 CHARLESTON WV 25339

SHIP TO

DIVISION OF HIGHWAYS  
 EQUIPMENT DIVISION  
 ROUTE 33  
 BRUSHY FORK ROAD  
 BUCKHANNON, WV  
 26201      304-472-1750

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/19/2011	NET 30	OUR TRUCK	BUCKHANNON	PREPAID

BID OPENING DATE: 03/24/2011      BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		760-44	\$111,980.00	\$111,980.00
<p>DOOSAN DL200            4 WHEEL DRIVE, RUBBER TIRED, ENLOADER</p> <p>REQUEST FOR QUOTATION (RFQ)            OPEN END CONTRACT</p> <p>THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF HIGHWAYS, IS SOLICITING BIDS FOR AN OPEN END CONTRACT TO PROVIDE 4 WHEEL DRIVE, RUBBER TIRED, ENDLOADER (TRANSMISSION WITH TORQUE CONVERTER), PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO SHERI SLONE IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS RFQ, VIA FAX AT 304-558-2596, OR VIA EMAIL AT SHERI.D.SLONE@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 02/28/2011 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM TO BE ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p>MANDATORY PRE-BID            A MANDATORY PRE-BID WILL BE HELD ON THURSDAY 03/10/2011 AT 10 AM IN 2019 WASHINGTON ST E CHARLESTON, WV 25305 ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS</p>						

RECEIVED

2011 MAR 24 PM 1:23

WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
	304-776-4405	3/22/11	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
GENERAL MANAGER	550658298		

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

## GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.htm](http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

### INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



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 Department of Administration  
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**SHIP TO**  
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DATE PRINTED <b>01/19/2011</b>	TERMS OF SALE <b>NET 30</b>	SHIP VIA <b>OUR TRUCK</b>	F.O.B. <b>BUCKHANNON</b>	FREIGHT TERMS <b>PREPAID</b>
BID OPENING DATE: <b>03/24/2011</b>		BID OPENING TIME <b>01:30PM</b>		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER.</p> <p>AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER-S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER.</p> <p>ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: 7011EC16.....</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE 	TELEPHONE <b>304-776-4405</b>	DATE <b>3/22/11</b>
TITLE <b>GENERAL MANAGER</b>	FEIN <b>550658298</b>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFC, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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<p>ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1 <i>EMA</i></p> <p>NO. 2 .....</p> <p>NO. 3 .....</p> <p>NO. 4 .....</p> <p>NO. 5 .....</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;"><i>[Signature]</i> ..... SIGNATURE</p> <p style="text-align: center;">... STATE EQUIPMENT, INC. .... COMPANY</p> <p style="text-align: center;">..... 3/22/11 ..... DATE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>[Signature]</i>	TELEPHONE 304-776-4405	DATE 3/22/11
TITLE GENERAL MANAGER	FEIN 550658298	ADDRESS CHANGES TO BE NOTED ABOVE

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<p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009</p> <p>EXHIBIT 2</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON UPON AWARD AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING THIRTY (30) DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS, AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p>						

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<p><b>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK).</b></p> <p><b>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIES BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</b></p> <p><b>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN EQUIPMENT CONTRACT ORDER (FORM NUMBER WV-35) FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL WV-35 MUST BE SENT TO THE PURCHASING DIVISION OF THE DEPARTMENT OF ADMINISTRATION. AFTER APPROVAL AND ENCUMBRANCE, ONE COPY OF THE PURCHASE ORDER WILL BE RETURNED TO THE SPENDING UNIT AND ONE COPY FORWARDED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT. NO ORDER IS VALID UNLESS APPROVED AND ENCUMBERED BY THE PURCHASING DIVISION.</b></p> <p><b>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FUTURE ORDER.</b></p> <p>REV. 5/2009</p> <p>EXHIBIT 4</p>						

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<p><b>LOCAL GOVERNMENT BODIES: UNLESS THE VENDOR INDICATES IN THE BID HIS REFUSAL TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO COUNTY, SCHOOL, MUNICIPAL AND OTHER LOCAL GOVERNMENT BODIES, THE BID SHALL EXTEND TO POLITICAL SUBDIVISIONS OF THE STATE OF WEST VIRGINIA. IF THE VENDOR DOES NOT WISH TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO ALL POLITICAL SUBDIVISIONS OF THE STATE, THE VENDOR MUST CLEARLY INDICATE SUCH REFUSAL IN HIS BID. SUCH REFUSAL SHALL NOT PREJUDICE THE AWARD OF THIS CONTRACT IN ANY MANNER.</b></p> <p>REV. 3/88</p> <p><b>NOTICE</b></p> <p><b>A SIGNED BID MUST BE SUBMITTED TO:</b></p> <p><b>DEPARTMENT OF ADMINISTRATION          PURCHASING DIVISION          BUILDING 15          2019 WASHINGTON STREET, EAST          CHARLESTON, WV 25305-0130</b></p> <p><b>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</b></p> <p><b>SEALED BID</b></p> <p><b>BUYER: SHERI SLONE - FILE 33</b></p>						

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				BID OPENING DATE: <b>03/24/2011</b>		
				BID OPENING TIME: <b>1:30 PM</b>		
				PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- <b>304-776-4409</b> -----		
				CONTACT PERSON (PLEASE PRINT CLEARLY): ----- <b>EDDIE ROWAN, JR.</b> -----		
				***** THIS IS THE END OF RFQ 7011EC16 ***** TOTAL:		<u><b>\$111,980.00</b></u>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE  TELEPHONE **304-776-4405** DATE **3/22/11**

TITLE **GENERAL MANAGER** FEIN **550658298** ADDRESS CHANGES TO BE NOTED ABOVE

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EQUIPMENT DIVISION

PROCUREMENT SPECIFICATIONS  
NO. 353-1-T

4 WHEEL DRIVE, RUBBER TIRED, ENDLOADER  
(TRANSMISSION WITH TORQUE CONVERTER)

1.0 PURPOSE

It is the purpose of these specifications to describe a 4 Wheel Drive Rubber Tired Endloader (hereinafter referred to as a "endloader" or a "unit") to be purchased for use by the West Virginia Division of Highways (DOH) on an Open End Contract basis.

2.0 BIDDING PROCEDURES

**The current purchasing procedures regarding bidding as established by the Department of Administration, Purchasing Division, shall apply.** Failure to submit the " Request for Quotation" forms, complete in its entirety and according to directions indicated, may subject the bidder to disqualification. **Each bid submitted shall also be accompanied by a Bidder's Evaluation Report completed in detail.** Addendums in order, along with exception sheets, should be with Bidder's Evaluation Report. **FAILURE TO SUBMIT THE BIDDER'S EVALUATION REPORT, COMPLETE IN ITS ENTIRETY, WILL RESULT IN AUTOMATIC DISQUALIFICATION.**

3.0 SPECIFICATIONS

The specifications named herein, mandatory and non-mandatory, establish the acceptable level of quality only and are not intended to reflect a preference or favor any particular brand or vendor.

3.1 EXCEPTIONS TO NON-MANDATORY SPECIFICATIONS

Exception to a non-mandatory unit specification may be made by the bidder, providing the exception is not available from the manufacturer. **Any such exception must be noted on the bidder's evaluation report and should be accompanied by supporting documentation/literature from the manufacturer. Any exception must be indicated on a separate attachment to the bidder's evaluation report and labeled as "Exception to Specifications".** The state reserves the right to waive minor irregularities in bids or specifications in accordance with §148-1-4(f) of the WV Legislative Rules and Regulations.

### 3.2 MANDATORY SPECIFICATIONS

**All specifications preceded by "shall, will, and/or must" or are stated as a "minimum and/or maximum" are mandatory as stated in Purchasing Divisions Policies and Procedures. Any bid failing to meet any mandatory item shall be immediately disqualified.** Failure to respond in the appropriate evaluation section will also be grounds for immediate disqualification at the discretion of the State.

A mandatory pre-bid conference is scheduled for this equipment purchase as stated in the RFQ. Vendors having products with variations or exceptions in specified mandatory items are expected to address any such variations or exceptions during the pre-bid conference. **The State shall review and consider any such variation or exception, and may at its sole discretion, issue an addendum to change mandatory specifications deemed to be in the State's best interest. Bids from any vendor failing to attend the mandatory pre-bid shall be disqualified. Bids containing any variation or exception to a mandatory specification that was not addressed during the pre-bid conference and accepted by the issuance of an Addendum shall be disqualified.**

### 4.0 REPRESENTATIVE UNIT FOR TEST

**The successful vendor must (if specified) provide DOH one (1) completed representative unit to be observed and evaluated on each order to insure compliance with specification. If requested, the time period for testing and evaluation shall be seven (7) working days following receipt of the unit.** DOH will incur no obligation for deterioration of surfaces, finishes, seals, and mechanical or electrical parts on the unit resulting from operation and testing within the limits of these specifications; nor will DOH incur obligation for damage to the unit resulting from failure to meet specifications when due care and attention is given by DOH and testing is done within the limits of these specifications. Failure of the pilot unit to satisfactorily meet specifications as bid may be cause for cancellation of the purchase order, and return of the delivered unit along with all associated equipment to the vendor at the vendor's expense.

### 4.1 CONDITION OF UNIT(S) UPON DELIVERY

**All units must arrive at the prescribed delivery point having been completely preserviced with oil, lubricants, and coolant.** All prescribed precautions pertaining to first operations and break-in of the unit are to be posted conspicuously on the unit for ready observance by the operator.

### 4.2 DELIVERY

Delivery point of the completely assembled representative unit will be the DOH, Equipment Division, Route 33 at Brushy Fork Road, Buckhannon, West Virginia (26201).

The vendor is responsible for guaranteeing delivery of the completed units within the time specified and agreed to by the State. Delivery is preferred within 185 days after receipt of purchase agreement. The vendor is responsible for establishing and coordinating delivery terms with allied manufacturers or suppliers. Delivery terms should be stated in the bid and the State reserves the right to accept or reject such terms. Failure to reach an agreement may result in rejection of the bid. **The successful bidder shall provide their manufacturer's confirmation of the order to the WVDOH contact person within seven (7) working days after receiving the approved purchase order.**

**A completed pilot model for inspection must be provided within 100 calendar days after receipt of the purchase agreement by the successful vendor.**

Delivery is an integral part of this specification and failure to comply will be cause to initiate a D.O.T. Administrative Form WV-82, Vendor Performance Form. The WV-82 Form will provide a means of officially notifying the Purchasing Division and the vendor of unsatisfactory performance; such as late deliveries, poor service, inadequate parts supplies, etc.

The decision to initiate subject Form will be at the sole discretion of the D.O.H. Commissioner's established Equipment Review Board.

Issuance of the WV-82 Vendor Complaint Form on unsatisfactory delivery against any vendor will be cause to refuse to consider similar items from those vendors on future Request For Quotations.

(NOTE: Delivery time could be altered due to labor strikes, severe inclement weather conditions, etc.)

## 5.0 AWARD CRITERIA

- 5.1 DOH will recommend the award in accordance with the RFQ evaluation criteria described in the requisition. **The award shall be made to the lowest unit cost vendor that meets or exceeds the specifications.** DOH reserves the right to place multiple orders in any quantity.

## 6.0 SPECIFICATIONS AND GUIDELINES - GENERAL

### 6.1 IDENTIFICATION OF THE UNIT BEING PROPOSED

**The bidder must identify the unit by manufacturer, model, series, and year of manufacture, to enable identification by DOH in the manufacturer's specifications of the proposed unit.** The bidder will submit complete descriptive literature of the proposed unit, to establish that the bid is the manufacturer's most current model, including latest engineering improvements, which have been, or will imminently be, regularly advertised and sold on the open market. The unit specified herein and offered

to be manufactured after January 1, 2011 and be clearly identified and marked with date of manufacture.

## 6.2 OPERATING AND SERVICE MANUALS AND PARTS LISTS

**An operator's manual must be included with each unit upon delivery. A "line sheet" (if applicable) and Equipment Preventative Maintenance Questionnaire (as shown in X6.2 of the Bidder's Evaluation Report) must be with pilot unit upon delivery. In addition, there must be 12 service, shop, or maintenance manuals; ten (10) to be distributed to the Districts and two (2) for the Equipment Division. Also, there must be 14 parts manuals; ten (10) to be distributed to the Districts and four (4) for Equipment Division use. CD ROM is preferred in lieu of parts or service manuals.**

**\* NOTE: MANUALS SHALL BE DELIVERED UPON COMPLETION OF DELIVERY OF TOTAL UNITS. FAILURE TO DO SO WILL DELAY PAYMENT.**

## 6.3 TRAINING:

Manufacturers and/or dealers will be required to stage a thorough seminar on the subjects of Preventative Maintenance, Operator and Mechanic Training. **In order to keep the operators and mechanics updated, the successful vendor shall conduct training with each purchase order against this open end contract.** Training is preferred within 2 working days after delivery of the pilot unit on the individual purchase order.

**Manufacturers and/or dealers shall be required to furnish the Training Academy with one (1) Operator's Manual to be shipped direct to WVDOH Training Academy, Post Office Box 610, Buckhannon, West Virginia 26201 prior to delivery of the pilot.**

The seminar to be held at the W. Va. Division of Highways, Equipment Division, Buckhannon, West Virginia.

## 6.4 PREVENTIVE MAINTENANCE AND OPERATOR PROCEDURES:

**Manufacturers and/or dealers will be required to submit to the Equipment Division, in addition to the operating and service manuals, booklets and pamphlets explaining the Preventive Maintenance and Operator Procedures to be used by the operators of this equipment, and must include such things as daily prestart inspection procedure, service schedule, and routine maintenance required, safety precautions, etc.**

**The successful vendor shall furnish all training aids; i.e., videos, projectors, etc. required in conducting the training.**

## 6.5 WARRANTY AND SERVICE POLICY

The Manufacturers warranty or service policy is to apply to the unit. Such warranty or service policy is to be recognized at any authorized unit dealer, representing manufacturer of proposed unit throughout the State of West Virginia. The applicable warranty or service policy will not be contingent upon obtaining routine service, lubrication, and servicing of the unit from factory authorized agencies. It will be the responsibility of the bidder to have available labor to repair or replace any defective replacement parts, components and materials, and to have available those replacement parts, components, and/or materials found to be defective during the terms of the warranty period. The bidder should state the labor rates, locations where parts will be stocked, availability of parts, and discounts offered for parts, when terms of the warranty offer a pro-rated cost for parts and labor. In addition, the successful bidder should offer field work to repair or replace defective parts, components, and materials found to be defective during the terms of the warranty and should provide mechanic's travel rates, mileage charges, field mechanic rates, and any surcharge for miscellaneous items, if applicable, for field work during the warranty period. Submit to Division of Highways any technical or engineering improvements during the term of the warranty. **The unit must be accompanied upon delivery by the unit's manufacturer's executed warranty or service policy.**

**A mandatory minimum two (2) year bumper to bumper basic parts and labor warranty excluding abuse and normal wear items is required for this unit.**

**THE "WARRANTY AND SERVICE POLICY QUESTIONNAIRE" ATTACHED IN THE BIDDER'S EVALUATION REPORT MUST BE COMPLETED IN ITS ENTIRETY BY THE SUCCESSFUL BIDDER OR MANUFACTURER PRIOR TO DELIVERY OF THE PILOT MODEL. (SEE SECTION X6.5 OF BIDDER'S EVALUATION REPORT).**

## 6.6 EVALUATION COMMITTEE REQUIREMENTS

Detailed component specifications, product literature, component models, required for specification compliance determination by the Evaluation Committee should be provided with each bid. Any information supplied that is contrary to/or conflicting with the specifications and/or attached Bidders Evaluation Report may be sufficient cause for rejection of bid.

## 6.7 UNSPECIFIED ACCESSORIES & FEATURES

**All parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, must be furnished with each unit and required to conform to strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry.**

**All parts and accessories advertised and regularly supplied as standard shall be included, except those which would represent duplication of these specified, and except those which, by specification, are not to be furnished. All standard safety features, required by Federal and State Law, shall be included.**

## 7.0 SPECIFICATIONS OF THE QUOTED UNIT ARE AS FOLLOWS:

### 8.0 Endloader Specification:

8.1 Operating weight to be approximately 22,000 pounds (exclusive of tire ballast).

8.1.1 **Unit shall have a breakout force of 18,500 pounds minimum.**

8.2 Overall length (bucket lowered) 23 foot approximately.

8.3 **Loader shall have articulated frame with full hydraulic power steering.**

8.3.1 **Tipping load straight 14,500 pounds minimum.**

8.4 **Overall height 10 feet 9 inches to top of cab (maximum).**

8.4.1 **Dumping clearance at maximum height and 45° dump angle shall be 108 inches minimum**

8.5 **Loader shall be equipped with a quick coupler system for interchangeability of attachments, controlled from operator station.**

8.6 **Unit shall be equipped with manufacturers vandalism package and all machines keyed alike.**

8.7 All daily services should be done from ground level.

8.8 Engine:

**8.8.1 Engine shall be manufacturers water cooled diesel powered and shall provide approximately 115-125 horse power and torque to operate machine and hydraulic system at maximum efficiency.**

8.8.2 Manufacturers standard governor with key shut off, wire sealed by manufacturer.

**8.8.3 Engine shall have an engine block water heating element (1500-2000 watt).**

8.8.4 Heating element to have a male plug easily accessible, 110 volt AC.

8.9 Engine Lubrication:

8.9.1 Full pressure lubrication with oil filter and oil by-pass system.

8.9.2 Engine oil cooler.

8.10 Cooling System:

**8.10.1 Manufacturer shall provide maximum cooling system available to allow machine to operate at full capability during all seasons.**

**8.10.2 Cooling system shall be supplied with Dex-cool or equal extended life anti-freeze protected to a point of -34 degrees F.**

**8.10.3 Engine coolant filter shall be provided if recommend by manufacturer for this application.**

8.11 Air Induction System:

8.11.1 Dry type dual element (2 stage) air cleaner with pre-cleaner.

**8.11.2 Unit shall have dash mounted air filter restriction indicator that is operator visible when service is required.**

8.12 Exhaust System:

**8.12.1 Complete exhaust system shall be manufacturers standard for unit specified.**

**8.12.2 Exhaust pipe shall be rain proof.**

8.13 Electrical System:

8.13.1 Unit electrical system to be manufacturers noise suppression wiring.

8.13.2 System to be 12 volts/24 volts negative ground (manufacturers standard).

8.13.3 Manufacturers heavy duty cold cranking amp battery(s), approximately 825 CCA;  
**reserve capacity 160 minimum.**

8.14 Charging System:

8.14.1 **Unit should have 70 amp alternator (minimum) with internal regulator.**

8.15 Engine Fuel System:

8.15.1 **Fuel capacity to be 12 working hours, minimum.**

8.15.2 Unit to be provided with a fuel/water separator.

8.15.3 **Dual stage fuel filtering shall be provided.**

8.16 Transmission:

8.16.1 **Transmission shall be full power shift design with torque converter, capable of "On the GO" shifting in all speed ranges and full automatic feature with on-board diagnostic capabilities and kickdown controls.**

8.16.2 **Torque converter shall handle maximum power output of engine.**

8.16.3 Transmission to have four (4) forward speeds and three (3) reverse with a top forward ground speed of approximately 23 MPH.

8.16.4 **Transmission shall have a neutral start switch for safety purposes.**

8.17 Differential:

8.17.1 Manufacturers front and rear conventional.

8.18 Axles:

8.18.1 Front axle to be fixed.

8.18.2 **Rear axle should oscillate 11 degrees minimum.**



8.19 Brakes to be as follows:

8.19.1 -- Manufacturers recommended emergency braking system.

**8.19.2 Emergency brake must be independent of service brake.**

8.19.3 Hydraulic actuated powered assisted service brakes.

8.19.4 Wet type disk service brakes.

8.20 Hydraulic System:

**8.20.1 Unit shall provide hydraulic lift, lower, dump, roll back and float plus third spool auxiliary valve and cab controller.**

**8.20.2 All hydraulic cylinders shall be double action chrome plated piston type.**

8.20.3 Loader to be equipped with a hydraulic oil cooler if recommend by manufacturer.

**8.20.4 A sight glass shall be provided for daily checking of hydraulic oil.**

8.20.5 Hydraulic system relief pressure of approximately 2500 PSI.

**8.20.6 Unit shall be equipped with manufacturers standard hydraulic filtering system.**

8.21 Tires and Wheels:

**8.21.1 Wheels shall be manufacturers recommended size for unit bid.**

**8.21.2 Tires shall be grader/loader type front and rear tubeless radials.**

8.21.3 Overall tire width (outside left to outside right) not to exceed 8 feet.

8.22 Cab and related Accessories:

**8.22.1 Cab shall be OSHA approved ROPS.**

**8.22.2 Cab shall be insulated and pressurized.**

**8.22.3 Cab shall be equipped with heater, defroster and air conditioning installed by manufacturer.**

**8.22.4 Cab shall have front and rear windshield wipers and washers.**

- 8.22.5 **Cab shall have safety, tinted glass at all locations.**
- 8.22.6 **Left and right side rear view mirrors and in cab rear view mirror shall be provided.**
- 8.22.7 **Cab must have at least one (1) entry door, lockable.**
- 8.22.8 Doors should be hinged at rear to provide front to back opening.
- 8.22.9 **Unit shall be provided with non-skid steps and hand holds.**
- 8.22.10 Seat to be cloth type with scotchguard (or equivalent) and with adjustable seat belt.
- 8.22.11 Seat to be equipped with adjustable arm rest.
- 8.22.12 **Seat shall provide height and weight adjustments.**
- 8.22.13 Unit should have adjustable tilt and telescoping steering wheel for easier operator control.
- 8.22.14 **Front and rear fenders shall be provided on unit.**
- 8.22.15 **Fire extinguisher shall be provided and mounted in unit. (Successful bidder should notify DOH before mounting).**
- 8.22.16 **AM/FM radio must be provided and installed in unit.**
- 8.23 **Lighting System:**
- 8.23.1 Unit to have two (2) hi/low halogen beam front lights for tramming and working.
- 8.23.2 Loader to have four (4) work lights, two (2) front and two (2) rear mounted in accordance to cab features.
- 8.23.3 Unit to have flash/turn signals (front/rear) stoplights and taillights.
- 8.23.4 **Unit shall be provided with console and dome lighting.**
- 8.23.5 Low profile high intensity strobe light mounted at top rear of cab. Code 3 92QASH, 12/48 VDC, 11 Jules, five (5) flash generating not more than 1.0 UV of interference on radio receiver with 12 db of quieting.
- 8.23.6 **Unit shall be equipped with OSHA approved audible reverse alarm.**

8.23.7 Articulation locking bar and pin to be provided.

8.24 Unit Instrumentation to provide the following:

8.24.1 Tachometer.

8.24.2 Speedometer.

**8.24.3 Hour meter shall be operable from engine operation not key switch.**

8.24.4 Fuel gauge.

8.24.5 Ammeter/or volt meter.

8.24.6 Coolant temperature indicator with audible buzzer or visual warning light.

8.24.7 Engine oil pressure indicator with audible buzzer or visual warning light.

8.24.8 Transmission oil temperature indicator.

8.24.9 Transmission oil pressure indicator.

**8.24.10 All features that are considered to be manufacturers standard equipment that are not specifically addressed above shall be provided.**

**8.24.11 Unit shall be delivered to WVDOH with all manufacturers recommended safety related decals and safety features intact.**

**8.24.12 One (1) complete set of replacement filters shall be provided with each unit upon delivery.**

8.25 Bucket:

**8.25.1 Bucket shall be general purpose 1.75 cubic yard struck and 2.1 cubic yard heaped capacity approximate**

8.25.2 Bucket width to be approximately 96 inches.

**8.25.3 Bucket shall roll back 40 degrees at ground level and dump at 45 degrees minimum at full height.**

**8.25.4 Unit shall be equipped with automatic return to work leveler for bucket and attachments.**

**8.25.5 Bucket cutting edge and bottom wear strips shall be replaceable.**

**8.25.6 The cutting edge welded to bucket and a bolt-on replaceable cutting edge shall be mounted under it.**

8.25.7 Digging depth below horizontal, (bucket leveled) should be 3 inches (approximately).

8.26 Forks:

**8.26.1 Forks shall be heavy duty steel construction.**

**8.26.2 Carriage shall be heavy duty steel construction.**

8.26.3 Carriage size approximately 3/4 inches side plates and 60 inches wide.

8.26.4 Tines/Forks are to be 6 inches wide and 48 inches long.

8.26.5 Tines/Forks to be approximately 2 inches thick at heel and to be forged solid steel.

8.26.6 Tines/Forks should be mounted on approximately 2.5 inches diameter round bar and adjustable laterally 60 inches approximate.

8.27 Material Handling Boom:

**8.27.1 Material handling boom shall be of heavy duty construction type with hook.**

**8.27.2 Boom of three (3) locking sections with a minimum reach of 12 feet.**

8.28 Paint:

**8.28.1 The endloader and attachments shall be painted white, Federal Standard White 595A (No. 17875).**

8.28.2 Detail/Decorative Stripes with Logo:

8.28.3 Width: to be 4 inches.

8.28.4 WV DOH logo (to be supplied by WV DOH) is attached (black and white copy) and is approximately 7 inches tall by 7 inches wide. Area behind logo and within ½ inches of logo is not to be striped. Stripes should be cut to follow contour of logo, in lieu of straight cut.

- 8.28.5 **Striping material shall meet the requirements of ASTM D4956-91 Type V sheeting, a super high-intensity retroreflective sheeting consisting of microprismatic retroreflective elements. The conspicuity sheeting must meet the requirement of NHSTA, DOT, 49CFR, Part 571 Federal Motor Vehicle safety standards for conspicuity sheeting and be "DOT approved".**
- 8.28.6 **The sheeting for both applications above shall not be more than .0008 inch thick having approximately 47,000 microprisms per square inch and shall come with an aggressive high tack pressure sensitive adhesive, reflexite or equivalent.**
- 8.28.7 Upper stripe color: Dark Blue.
- 8.28.8 Lower stripe color: Light Gold.
- 8.28.9 **Bidder must consult with the WV DOH on proposal for striping before inspection of pilot model.**
- 8.28.10 Bidder to attach proposed paint plan with this bid. It should include chips or samples of proposed paints as well as a proposed striping detail on a cab silhouette sheet. Bidder may modify attached striping plan to fit his particular cab shape.
- 8.28.11 In order to test the adhesive quality of the paint, the DOH may, at its option, require that the vendor measure adhesion by the criteria set forth in ASTM D3359-74, Method B. A rating of less than 4 on this test would be deemed unacceptable.
- 8.28.12 **The procedures used by the manufacturer in cleaning, de-greasing, priming, and painting are sufficient to meet this requirement except that the manufacturer must substitute white paint (of equivalent grade or quality to manufacturer's standard colored paint) for manufacturer's standard paint in the finish coats.**
- 8.28.13 The Department reserves the right to view larger paint samples after award of contract and the right to require subtle color changes. **Such changes, if any, will only be used for selecting a suitable paint color to match the WV DOH logo.**
- 8.28.14 **The Department is desirous of avoiding units painted white over top the standard color. However, if bidder/manufacturer is unable to substitute white paint in its normal plant painting procedures, then bidder must state so and offer his proposed paint method.**

- 8.28.15 Areas not normally painted the manufacturer's standard color(s) on standard units (e.g. some rubber parts, mirrors, exhaust pipe, etc.) Are not to be painted white on units specified herein. Also, areas painted a distinct color (e.g. safety reasons) should be painted as they normally would.
- 8.29 **Vendor must certify that loader offered will meet or exceed the "Occupational Safety and Health Act of 1970" or subsequent changes that are in effect at time of manufacturer of the unit.**
- 8.30 **Advertising: Only one (1) manufacturer name plate, which must include model number, may appear on exterior of unit. Logos created through the stamping or casting process of manufacture are also acceptable. No logo will interfere with the Department's striping and logo.**
- 8.31 Preventive Maintenance and Operators Orientation/Training:
- 8.31.1 **The Manufacturer or dealer shall provide preventive maintenance/operator orientation seminar to be conducted at the Equipment Division, Buckhannon. All training aids i.e. videos, charts, manuals, etc., to be furnished by successful vendor.**

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT  
NO. 353-1-T

4 WHEEL DRIVE, RUBBER TIRED, ENDLOADER  
(TRANSMISSION WITH TORQUE CONVERTER)

NOTE TO BIDDER: Procurement Specification No. 353-1-T, Paragraph 2.0 recommends the completion and submittal of this Report with your bid. Purpose of this Report is to enable the West Virginia Division of Highways Evaluation Committee to make full and fair evaluation of the bid. Addendums in order, along with a summary of exception as a separate attachment, should be with Bidder's Evaluation Report. FAILURE TO SUBMIT THIS REPORT, COMPLETE IN ITS ENTIRETY, MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

Reference Requisition No.: 7011EC16

Bidder's Name: STATE EQUIPMENT, INC.

Address: P.O. BOX 3939 CHARLESTON, WV 25339

Telephone Number: 304-776-4405

Years Bidder has been registered to do business with the State of West Virginia: 25 YRS.

Years Company has been an authorized dealer for proposed unit: 12 YRS.

X3.2 Have you complied with all mandatory specifications?  YES  NO

X4.2 DELIVERY:

X4.2.1 Delivery date of completed representative unit: 100 Calendar Days After  
Receipt of Purchase Agreement

X4.2.2 Delivery date of balance of completed units: 185 Calendar Days After Receipt of  
Purchase Agreement

**NOTE: Vendor's should type Bidder's Evaluation Report.**

**The "Bidder's Evaluation Report" is available for download on Purchasing's Web site at [www.state.wv.us/admin/purchase](http://www.state.wv.us/admin/purchase)**

X5.0 AWARD CRITERIA;

X5.1 Price per unit:

\$111,980.00 per unit

X6.0 SPECIFICATIONS - GENERAL

X6.1 Manufacturer, model, series, and date of manufacture of proposed unit:

DOOSAN DL200 MANUFACTURED AFTER JAN. 1, 2011

Is descriptive literature, fully describing proposed unit attached to your bid?  YES  NO

If not, why? \_\_\_\_\_

X6.2 Will the required number of service manuals, and complete parts list be delivered to the Equipment Division at Buckhannon upon completion of delivery of total units?

YES  NO

Will the required Equipment Preventive Maintenance Form (Section X6.2 of Bidders Evaluation Report) be provided upon inspection of the pilot unit?

YES  NO



X6.2  
2-10-00

**EQUIPMENT PREVENTATIVE MAINTENANCE QUESTIONNAIRE**

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY BY SUCCESSFUL BIDDER OR MANUFACTURER'S TECHNICAL REPRESENTATIVE PRIOR TO DELIVERY OF PILOT MODEL TO THE WVDOH.

DESCRIPTION: \_\_\_\_\_ MAKE: \_\_\_\_\_

MODEL: \_\_\_\_\_ YEAR: \_\_\_\_\_ PURCHASE AMOUNT: \_\_\_\_\_

ENGINE: MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ FUEL TYPE: \_\_\_\_\_

HORSEPOWER: \_\_\_\_\_ CYLINDER: \_\_\_\_\_ ENGINE SERIAL: \_\_\_\_\_

COOLING SYSTEM CAPACITY: \_\_\_\_\_

BELTS:	DESCRIPTION:	PART NUMBERS:
	_____	_____
	_____	_____

GVW: \_\_\_\_\_ AXLE CAPACITY: FRONT: \_\_\_\_\_ REAR: \_\_\_\_\_

TIRES: FRONT MAKE & SIZE: \_\_\_\_\_

REAR MAKE & SIZE: \_\_\_\_\_

DIMENSIONS OF UNIT: LENGTH: \_\_\_\_\_ WIDTH: \_\_\_\_\_ LENGTH: \_\_\_\_\_

VENDOR CONTACT PERSON: \_\_\_\_\_ PHONE: \_\_\_\_\_

**PARTS:**

BATTERY MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ CCA: \_\_\_\_\_

TOP OR SIDE POST: \_\_\_\_\_ DIMENSIONS: LENGTH \_\_\_\_\_ WIDTH \_\_\_\_\_ HEIGHT \_\_\_\_\_

SPARK PLUGS OR FUEL INJECTORS MAKE: \_\_\_\_\_ PART # \_\_\_\_\_

FUEL PUMP OR INJECTION PUMP MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

ALTERNATOR MAKE: \_\_\_\_\_ PART #: \_\_\_\_\_

STARTER MAKE: \_\_\_\_\_ PART #: \_\_\_\_\_

TURBO CHARGER MAKE: \_\_\_\_\_ PART #: \_\_\_\_\_

TRANS. MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ AUTO/MANUAL: \_\_\_\_\_

HYDRAULIC PUMP MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

FILTERS	MAKE	PART NO.	LUBRICANT	MANUFACTURER TYPE
OIL	_____	_____	ENGINE	_____
AIR INNER	_____	_____	TRANSMISSION	_____
AIR OUTER	_____	_____	POWER STEERING	_____
FUEL PRIMARY	_____	_____	HYDRAULIC	_____
FUEL SECONDARY	_____	_____	DIFFERENTIALS	_____
COOLANT	_____	_____	BRAKE FLUID	_____
HYDRAULIC	_____	_____	COOLANT	_____
OTHER	_____	_____	OTHER	_____

## X6.3 TRAINING:

Will training seminar be conducted on Preventive Maintenance, Operator and Mechanic Training  
 YES  NO

Will you conduct training with each purchase order against this open end contract?  
 YES  NO

Will training be conducted within 2 working days from the delivery of the pilot unit on the individual purchase order?  
 YES  NO

If NO, explain time frame \_\_\_\_\_

Will an Operator's Manual be furnished directly to Training Academy prior to the delivery of the pilot?  
 YES  NO

X6.4 If you are the successful vendor, will you furnish all training aids, i.e., videos, projectors, required in conducting the training?  
 YES  NO

X6.4.1 Will all manuals, booklets, etc. explaining preventive maintenance, operator procedures, and service schedule be delivered with each unit?  
 YES  NO  
 If NO, explain \_\_\_\_\_

## X6.5 WARRANTY AND SERVICE POLICY

Will the warranty and service you provide comply with all areas as stated in Section 6.5 of specifications  
 YES  NO

Is warranty literature attached?  
 YES  NO

Is a minimum two (2) year bumper to bumper basic parts and labor warranty excluding abuse and normal wear items included?  
 YES  NO

Describe:

2 YEARS OR 2,000 HOURS WHICHEVER OCCURS FIRST

SEE ATTACHED DESCRIPTION

**X6.5 WARRANTY AND SERVICE POLICY QUESTIONNAIRE**

**THIS FORM MUST BE COMPLETED IN ITS ENTIRETY AND SUBMITTED WITH YOUR BID.**

(If additional lines are needed, make copies of form.)

1. Define the terms of the standard warranty. If not offered, so state. (Attach copy)

12 MONTH OR 1,500 HOURS WHICHEVER OCCURS FIRST

2. Define warranty service to be performed at DOH facilities and warranty service to be performed at manufacturer's representative facility. List name and location of manufacturer's representative.

WARRANTY SERVICE WORK TO BE PERFORMED AT STATE EQUIPMENT, INC. LOCATION IN

CROSS LANES, WV BRIDGEPORT, WV PARKERSBURG, WV BECKLEY, WV

3. List locations for parts inventories that are within the State of West Virginia. Also, list availability levels, if known.

CROSS LANES, WV BRIDGEPORT, WV PARKERSBURG, WV BECKLEY, WV

4. During the term of warranty, list the guarantee discount to manufacturer's published list price for parts that bidder will sell the parts to owner.

- |    |               |                                                               |
|----|---------------|---------------------------------------------------------------|
| A. | Terms: Net 30 | Manufacturer's published list price less: <u>0</u> % discount |
| B. | Terms: Net 60 | Manufacturer's published list price less: <u>0</u> % discount |
| C. | Terms: Net 90 | Manufacturer's published list price less: <u>0</u> % discount |

5. During the term of warranty, will all manufacturers or engineering improvements be submitted to Division of Highways?  X  YES   NO

6. During the term of warranty, list the guaranteed rates charged for repair to the unit.

- |    |                                                   |                                                                           |
|----|---------------------------------------------------|---------------------------------------------------------------------------|
| A. | Shop Rate                                         | \$ <u>90.00</u> per mechanic hour                                         |
| B. | Travel Time Charge<br>(Specify if one-way)        | \$ <u>90.00</u> per mechanic hour<br><u> X </u> ; port to port <u> X </u> |
| C. | Mileage Charge<br>(Specify if one-way)            | \$ <u>1.25</u> per vehicle mile<br><u> X </u> ; port to port <u> X </u>   |
| D. | Field Mechanic Rate                               | \$ <u>90.00</u> per mechanic hour                                         |
| E. | Specify period of time that prices are in effect: | <u>12 MONTHS</u>                                                          |
| F. | Surcharge for miscellaneous items:                | <u>0</u> %                                                                |

## X6.6 EVALUATION COMMITTEE REQUIREMENTS

Is all component specifications, product literature, component models provided for Evaluation Committee bid determination?  YES  NO

**X6.7 Will all parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, be furnished with the unit and conform in strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry?**  
 YES  NO

**X6.7.1 Are all parts and accessories adequate and regularly supplied as standard to be included except those which may be duplications of specifications herein, and except these by specification are not to be furnished?**  
 YES  NO

**X6.7.2 Are all standard safety features that are required by Federal and State statutes of law included?**  
 YES  NO

## X7.0 SPECIFICATIONS OF THE QUOTED UNIT

The bidder should complete the following schedule in order for the Division to compare the actual bid unit to the specifications. Should the bidder except a requirement, then such exception may be only on the basis that such feature is not offered by the manufacturer. The Division will have the sole discretion as to whether the bidder's substitution meets the requirements of the specifications.

Manufacturer: DOOSAN

Model: DL200

X8.0 Endloader Specification:

X8.1 Operating weight: 26,320 pounds (exclusive of tire ballast)

X8.1.1 Breakout force: 23,139 pounds

X8.2 Overall length (bucket lowered): 24'11" foot

**X8.3 Does loader have articulated frame and full hydraulic power steering?**  
 YES  NO

X8.3.1 Tipping load straight: 16,790 pounds

- X8.4 Overall height: 10'8" to top of cab
- X8.4.1 Dumping clearance at maximum height and 45° dump angle: 10'4" inches
- X8.5 Are units provided with a quick coupler system for interchangeability of attachments, controlled from operator station  X  YES   NO
- X8.6 Do machine(s) have vandalism package/keyed alike?  X  YES   NO
- X8.7 Are daily services done from ground level?  X  YES   NO
- X8.8 Engine:
- X8.8.1 Is engine manufacturers water cooled diesel powered providing 143 HP and torque to operate machine and hydraulic system at maximum efficiency?  X  YES   NO  
Specify HP: 143
- X8.8.2 Is unit equipped with manufacturer's standard governor with key shut off, wire sealed by Manufacturer?  X  YES   NO
- X8.8.3 Engine equipped with an engine block water heating element (1500-2000 watt)?  X  YES   NO
- X8.8.4 Does heating element have male plug easily accessible, 110 volt AC?  X  YES   NO
- X8.9 Engine Lubrication:
- X8.9.1 Has full pressure lubrication with oil filter and oil by-pass system?  X  YES   NO
- X8.9.2 Is engine equipped with oil cooler?  X  YES   NO
- X8.10 Cooling System:
- X8.10.1 Is cooling system of manufacturers maximum to allow full capability of operation for all seasons?  X  YES   NO
- X8.10.2 Cooling system supplied with Dex-Cool or equal extended life anti freeze to -34°F?  X  YES   NO
- X8.10.3 Is coolant filter provided if recommended manufacturer for this application?   YES  X  NO  
(NOT RECOMMENDED)

## X8.11 Air Induction System:

X8.11.1 Is dry type (2 stage) dual element air cleaner with pre-cleaner provided?  
 YES  NO

X8.11.2 Does unit have dash mounted air filter restriction indicator that is visible when service is required ?  
 YES  NO

## X8.12 Exhaust System:

X8.12.1 Is complete exhaust system manufacturers standard for unit specified?  
 YES  NO

X8.12.2 Is exhaust pipe rain proof?  
 YES  NO

## X8.13 Electrical System:

X8.13.1 Is unit provided with manufacturers noise suppression wiring?  
 YES  NO

X8.13.2 Is system 12 volts/24 volts negative ground  
 YES  NO

X8.13.3 Are heavy duty CCA battery(s) provided?  
 YES  NO

CCA 800 reserve capacity 160

## X8.14 Charging System:

X8.14.1 Alternator AMPS: 70 with internal regulator?  YES  NO

## X8.15 Engine Fuel System:

X8.15.1 Is fuel capacity at least 12 working hours  
 YES  NO

X8.15.2 Is unit provided with a fuel/water separator?  
 YES  NO

X8.15.3 Is dual stage fuel filtering provided?  
 YES  NO

## X8.16 Transmission:

X8.16.1 Is transmission full power shift with torque converter capable of "on the Go" shifting in all ranges?  
 YES  NO

Does it have full automatic feature with on-board diagnostic capabilities and kickdown controls  
 YES  NO

X8.16.2 Is torque converter capable of handling maximum power output of engine?  
 YES  NO

- X8.16.3 Number of forward speeds 4 Number of reverse speeds 3 ?  
 Top forward ground speed: 21.7 HP
- X8.16.4 **Is neutral start switch provided for safety purposes?**  YES  NO
- X8.17 Differential:
- X8.17.1 Is front and rear differential manufacturers conventional type?  YES  NO
- X8.18 Axles:
- X8.18.1 Is front axle fixed?  YES  NO
- X8.18.2 **Oscillation of rear axle:** 22 degrees
- X8.19 Brakes:
- X8.19.1 Is Manufacturers recommended emergency braking system provided?  
 YES  NO
- X8.19.2 **Is emergency brake independent of service brake?**  YES  NO
- X8.19.3 Are service brakes powered assisted hydraulic actuated?  YES  NO
- X8.19.4 Are service brakes wet disk type?  YES  NO
- X8.20 Hydraulic System:
- X8.20.1 **Does unit provide hydraulic lift, lower, dump, roll back and float**  
 YES  NO
- Does unit have third spool auxiliary valve and cab controller**  YES  NO
- X8.20.2 **Are hydraulic cylinders double action chrome plated piston type?**  
 YES  NO
- X8.20.3 Is hydraulic oil cooler provided if recommended by manufacturer?  
 YES  NO
- X8.20.4 **Is sight glass provided for daily service checks?**  YES  NO
- X8.20.5 Hydraulic system relief pressure: 2,901 P.S.I.
- X8.20.6 **Is Manufacturers standard hydraulic filtering system provided?**  
 YES  NO

## X8.21 Tires and Wheels:

X8.21.1 Are wheels manufacturers recommended size for unit bid?  YES  NO

Specify size 20.5 X 25

X8.21.2 Are tires grader/loader type tubeless radials front and rear?  YES  NO

Specify size: 20.5R25

X8.21.3 Overall tire width (outside left to outside right): 8 feet 1 inches

## X8.22 Cab and related accessories:

X8.22.1 Is cab OSHA approved ROPS?  YES  NO

X8.22.2 Is cab insulated and pressurized?  YES  NO

X8.22.3 Is cab equipped with heater, defroster, air conditioning installed by the manufacturer?  YES  NO

X8.22.4 Is cab equipped with wipers and washers front and rear?  YES  NO

X8.22.5 Is Manufacturers tinted safety glass at all locations?  YES  NO

X8.22.6 Are left and right rear view mirrors and in cab rear view mirror provided?  YES  NO

X8.22.7 Does cab have one (1) lockable entry door?  YES  NO

X8.22.8 Are doors hinged at rear to provide front to back opening  YES  NO

X8.22.9 Is unit provided with non-skid steps and hand holds  YES  NO

X8.22.10 Is seat cloth type with scotchguard or equal and with adjustable seat belt  YES  NO

X8.22.11 Is seat equipped with adjustable arm rests?  YES  NO

X8.22.12 Does seat provide height and weight adjustments?  YES  NO

X8.22.13 Is unit equipped with adjustable tilt and telescoping steering wheel for easier operator control?  YES  NO

X8.22.14 Are fenders provided front and rear?  YES  NO

X8.22.15 Is fire extinguisher provided and mounted on unit?  YES  NO

X8.22.16 Is AM/FM radio provided and installed in unit?  YES  NO



## X8.23 Lighting System:

X8.23.1 Is unit equipped with two (2) hi/low halogen beam front lights for tramping and working?  YES  NO

X8.23.2 Does unit have four (4) work lights; two (2) front/two (2) rear cab mounted work lights  YES  NO

X8.23.3 Does unit have flash/turn signals (front and rear), stoplights, and taillights?  YES  NO

X8.23.4 **Does unit have console and dome lighting?**  YES  NO

X8.23.5 Is unit equipped with low profile high intensity strobe light mounted at top rear of cab as specified  YES  NO

If NO, explain \_\_\_\_\_

X8.23.6 **Is unit equipped with audible OSHA approved reverse alarm?**  YES  NO

X8.23.7 Is articulation locking bar and pin provided?  YES  NO

## X8.24 Unit Instrumentation:

X8.24.1 Tachometer?  YES  NO

X8.24.2 Speedometer?  YES  NO

X8.24.3 **Does hour meter operate from engine operation?**  YES  NO

X8.24.4 Fuel gauge?  YES  NO

X8.24.5 Ammeter/ or volt meter?  YES  NO

X8.24.6 Does coolant temperature indicator have audible buzzer or visual warning light?  YES  NO

X8.24.7 Does engine oil pressure indicator have audible buzzer or visual warning light?  YES  NO

X8.24.8 Does unit have transmission oil temperature indicator?  YES  NO

X8.24.9 Does unit have transmission oil pressure indicator?  YES  NO

**X8.24.10 All features considered to be standard equipment not addressed above:**

WILL BE PROVIDED

**X8.24.11 Will unit be delivered to WV DOH with manufacturer's safety decals and features intact?**  X  YES   NO

**X8.24.12 Is one (1) complete set of replacement filters for each unit provided?**  X  YES   NO

**X8.25 Bucket:**

**X8.25.1 Bucket capacity struck:  1.75  Cu Yd. Heaped capacity:  2.1  Cu Yd**

**X8.25.2 Bucket width:  102  inches**

**X8.25.3 Bucket roll back  40  degrees at ground level and dump at full height  45  degrees**

**X8.25.4 Does unit have automatic return to work leveler for bucket and attachments**  X  YES   NO

**X8.25.5 Are replaceable cutting edge and bottom wear strips provided**  X  YES   NO

**X8.25.6 Is cutting edge welded to bucket and bolt on replaceable cutting edge mounted under it?**  X  YES   NO

**X8.25.7 Digging depth below horizontal (bucket level):  3  inches**

**X8.26 Forks:**

**X8.26.1 Are forks heavy duty steel construction?**  X  YES   NO

**X8.26.2 Is carriage of heavy duty steel construction?**  X  YES   NO

**X8.26.3 Carriage size:  3/4  inch side plates and  63  inches wide?**

**X8.26.4 Tines/Forks:  6  inches wide and  48  inches long**

**X8.26.5 Tines/Forks:  2  inches thick at heel and forged solid steel**  X  YES   NO

**X8.26.6 Tines/Forks mounted on  2.5  inches diameter round bar**

Adjustable laterally  59  inches

X8.27 Material Handling Boom: -

X8.27.1 Is material handling boom of heavy duty construction with hook?  
 YES  NO

X8.27.2 Boom has 3 locking sections Boom reach: 14 feet

X8.28 Paint:

X8.28.1 Is endloader painted Federal Standard White 595A (NO. 17875)?  
 YES  NO

X8.28.2 Will detail/decorative stripes be provided and installed on unit by successful bidder?  
 YES  NO

X8.28.3 Are stripe(s) width 4 inches as specified?  
 YES  NO

X8.28.4 Does striping method and striping material meet required specifications quoted in sections 8.28.4; 8.28.5; and 8.28.6?  
 YES  NO

If NO, explain \_\_\_\_\_

\_\_\_\_\_

X8.28.7 Describe color and type of material of upper stripe:

\_\_\_\_\_

\_\_\_\_\_

X8.28.8 Describe color and type of material of lower stripe:

\_\_\_\_\_

8.28.9 Will bidder consult WV DOH on proposed striping?  YES  NO

X8.28.10 Has bidder attached paint plan (chips/samples/striping details) to compliance form?  
 YES  NO

If no will samples be submitted?  YES  NO

X8.28.11 Describe manufacturers paint procedure as specified in sections 8.28.11; 8.28.12; and 8.28.13

\_\_\_\_\_

\_\_\_\_\_

- X8.28.14** Is white paint specified applied over top of manufacturer's standard color?  
 YES  NO
- X8.28.15** Are areas of distinct color(s) (e.g. safety reason) be painted as they normally would?  
 YES  NO
- X8.29** Does proposed unit meet or exceed the "OSHA of 1970" and/or subsequent changes?  
 YES  NO
- X8.30** Does unit conform to the advertising guidelines?  
 YES  NO
- X8.31** Preventive Maintenance and Operators Orientation/Training:
- X8.31.1** Have you attached a copy of proposed training program. Attach schedule describing course offered with a brief explanation of each subject with the time required for each class. Do not attach instruction material or manuals. Will you furnish all training aids; i.e. videos, projectors, etc., required in conducting the training?  
 YES  NO



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**Request for Quotation**

RFQ NUMBER  
 7011EC16

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 BUYER 33  
 304-558-2402

RFQ COPY  
 TYPE NAME/ADDRESS HERE

DIVISION OF HIGHWAYS  
 EQUIPMENT DIVISION  
 ROUTE 33  
 BRUSHY FORK ROAD  
 BUCKHANNON, WV  
 26201 304-472-1750

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/18/2011	NET 30	OUR TRUCK	BUCKHANNON	PREPAID

BID OPENING DATE: 03/24/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
THIS ADDENDUM IS ISSUED TO:						
1.) ADDRESS CHANGES IN SPECIFICATIONS PER THE ATTACHED.						
2.) ANSWER TECHNICAL QUESTIONS PER THE ATTACHED.						
3.) PROVIDE A COPY OF THE MANDATORY PRE-BID MEETING ATTENDEE LIST.						
*****END ADDENDUM NO. 1*****						
0001	1	EA	760-44	DOOSAN DL200	\$111,980.00	\$111,980.00
4 WHEEL DRIVE, RUBBER TIERED, ENLOADER						
***** THIS IS THE END OF RFQ 7011EC16 ***** TOTAL:						\$111,980.00

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE:  TELEPHONE: 304-776-4405 DATE: 3/22/11  
 TITLE: GENERAL MANAGER FEIN: 550658298 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

PREBID ADDENDUM  
7011EC16

4 WHEEL DRIVE, RUBBER TIRED, ENDLOADER  
(TRANSMISSION WITH TORQUE CONVERTER)

CHANGES TO SPECIFICATIONS:

FROM:

**8.8.1 Engine shall be manufacturers water cooled diesel powered and shall provide approximately 115-125 horse power and torque to operate machine and hydraulic system at maximum efficiency.**

TO:

**8.8.1 Engine shall be manufacturers water cooled diesel powered and shall provide minimum 115 HP and torque to operate machine and hydraulic system at maximum efficiency.**

FROM:

**8.13.3 Manufacturers heavy duty cold cranking amp battery(s), approximately 825 CCA; reserve capacity 160 minimum.**

TO:

**8.13.3 Manufacturers heavy duty cold cranking amp battery(s), minimum 800 CCA; reserve capacity 160 minimum**

FROM:

**8.16.3 Transmission to have four (4) forward speeds and three (3) reverse with a top forward ground speed of approximately 23 MPH.**

TO:

**8.16.3 Transmission to have four (4) forward speeds and three (3) reverse with a top forward ground speed minimum of 21 MPH.**

FROM:

**8.20.5 Hydraulic system relief pressure of approximately 2500 PSI**

TO:

**8.20.5 Hydraulic system relief pressure minimum 2500 PSI**

FROM:

8.23.5 Low profile high intensity strobe light mounted at top rear of cab. Code 3 92QASH, 12/48 VDC, 11 Jules, five (5) flash generating not more than 1.0 UV of interference on radio receiver with 12 db of quieting.

TO:

8.23.5 Low profile high intensity Class 1 LED beacon, amber

FROM:

8.25.1 Bucket shall be general purpose 1.75 cubic yard struck and 2.1 cubic yard heaped capacity approximate.

TO:

8.25.1 Bucket shall be general purpose minimum 1.75 cubic yard struck and 2.1 cubic yard heaped capacity approximate.

FROM:

8.25.7 Digging depth below horizontal, (bucket leveled) should be 3 inches (approximately)

TO:

8.25.7 Digging depth below horizontal, (bucket leveled) should be 3 inches.

FROM:

8.26.3 Carriage size approximately  $\frac{3}{4}$  inches side plates and 60 inches wide.

TO:

8.26.3 Carriage size should be  $\frac{3}{4}$  inches side plates and 60 inches wide.

FROM:

8.26.5 Tines/Forks to be approximately 2 inches thick at heel and to be forged solid steel.

TO:

8.26.5 Tines/Forks should be 2 inches thick at heel and to be forged solid steel.

## FROM:

8.26.6 Tines/Forks should be mounted on approximately 2.5 inches diameter round bar and adjustable laterally 60 inches approximate.

## TO:

8.26.6 Tines/Forks should be mounted on 2.5 inches diameter round bar and adjustable laterally 60 inches.

## FROM:

8.28.1 The endloader and attachments shall be painted white, Federal Standard White 595A (No. 17875).

## TO:

8.28.1 The endloader and attachments shall be painted manufacturers standard.

## DELETE:

8.28.2 Detail/Decorative Stripes with Logo:

8.28.3 Width: to be 4 inches

8.28.4 WVDOH logo ( to be supplied by WVDOH) is attached (black and white copy) and is approximately 7 inches tall by 7 inches wide. Area behind logo and within ½ inches of logo is not to be striped. Stripes should be cut to follow contour of logo, in lieu of straight cut.

8.28.5 Striping material shall meet the requirements of ASTM D4956-91 Type V sheeting, a super high-intensity retroreflective sheeting consisting of microprismatic retroreflective elements. The conspicuity sheeting must meet the requirement of NHSTA, DOT, 49CFR, Part 571 Federal Motor Vehicle safety standards for conspicuity sheeting and be "DOT" approved.

8.28.6 The sheeting for both applications above shall not be more than .0.008 inch thick \ having approximately 47,000 microprisms per square inch and shall come with an aggressive high tack pressure sensitive adhesive, reflexite or equivalent.

8.28.7 Upper stripe color: Dark Blue

8.28.8 Lower stripe color: Light Gold

8.28.9 Bidder must consult with the WVDOH on proposal for striping before inspection of pilot model.



**DELETE:**

- 8.28.10 Bidder to attach proposed paint plan with this bid. It should include chips or samples of proposed paints as well as a proposed striping detail on a cab silhouette sheet. Bidder may modify attached striping plan to fit his particular cab shape.
- 8.28.11 In order to test the adhesive quality of the paint, the DOH may, at its option, require that the vendor measure adhesion by the criteria set forth in ASTM D3359-74, Method B. A rating of less than 4 on this test would be deemed unacceptable.
- 8.28.12 **The procedures used by the manufacturer in cleaning, de-greasing, priming, and painting are sufficient to meet this requirement except that the manufacturer must substitute white paint (of equivalent grade or quality to manufacturer's standard colored paint) for manufacturer's standard paint in the finish coats.**
- 8.28.13 The Department reserves the right to view larger paint samples after award of contract and the right to require subtle color changes. Such changes, if any, will only be used for selecting a suitable paint color to match the WVDOH logo.
- 8.28.14 **The Department is desirous of avoiding units painted white over top the standard color. However, if bidder/manufacturer is unable to substitute white paint in its normal plant painting procedures, then bidder must state so and offer his proposed paint method.**
- 8.28.15 Areas not normally painted the manufacturer's standard color(s) on standard units (e.g. some rubber parts, mirrors, exhaust pipe, etc.) are not be painted white on units specified herein. Also, areas painted a distinct color (e.g. safety reasons) should be painted as they normally would.
- 8.31 Preventive Maintenance and Operators Orientation/Training:
- 8.31.1 **The Manufacturer or dealer shall provide preventive maintenance/operator orientation seminar to be conducted at the Equipment Division, Buckhannon. All training aids i.e. videos, charts, manuals, etc. to be furnished by successful vendor.**

PREBID ADDENDUM  
7011EC16

4 WHEEL DRIVE, RUBBER TIRE, ENDLOADER  
(TRANSMISSION WITH TORQUE CONVERTER)

CHANGES TO BIDDER'S EVALUATION REPORT:

FROM:

X8.8.1 Is engine manufacturers water cooled diesel powered providing      HP and torque to operate machine and hydraulic system at maximum efficiency?    YES    NO  
Specify HP:     

TO:

X8.8.1 Is engine manufacturers water cooled diesel powered       YES      NO

And provides 143 HP and torque to operate machine and hydraulic system at maximum efficiency?       YES      NO

FROM:

X8.13.3 Are heavy duty CCA battery(s) provided?    YES    NO  
CCA      reserve capacity     

TO:

X8.13.3 Are heavy duty CCA battery(s) provided?       YES      NO

CCA 800 reserve capacity 160

FROM:

X8.16.3 Number of forward speeds      Number of reverse speeds       
Top forward ground speed:      HP

TO:

X8.16.3 Number of forward speeds 4 Number of reverse speeds 3

Top forward ground speed 21.7 MPH

FROM:

X8.20.5 Hydraulic system relief pressure: \_\_ PSI

TO:

X8.20.5 Hydraulic system relief pressure 2,901 PSI

FROM:

X8.23.5 Is unit equipped with low profile high intensity strobe light mounted at top rear of cab as specified \_ YES\_ NO If NO, explain \_\_\_\_\_

TO:

X8.23.5 Is unit equipped with low profile high intensity Class 1 LED beacon, amber  
 X  YES   NO

FROM:

X8.25.1 Bucket capacity struck: \_\_ CuYd Heaped capacity: \_\_ CuYd

TO:

X8.25.1 Bucket is general purpose with 1.75 cubic yard struck and 2.1 cubic yard heaped capacity  
 X  YES   NO

FROM:

X8.25.7 Digging depth below horizontal (bucket level): \_\_ inches

TO:

X8.25.7 Digging depth below horizontal (bucket leveled):  3  inches

FROM:

X8.26.3 Carriage size: \_\_ inch side plates and \_\_ inches wide?

TO:

X8.26.3 Carriage size:  3/4  inch side plates and  63  inches wide

FROM:

X8.26.5 Tines/Forks: \_\_ inches thick at heel and forged solid steel \_\_ YES \_\_ NO

TO:

X8.26.5 Tines/Forks 2. inches thick at heel and forged solid steel X YES        NO

FROM:

X8.26.6 Tines/Forks mounted on \_\_ inches diameter round bar  
Adjustable laterally \_\_ inches

TO:

X8.26.6 Tines/Forks mounted on 2.5 inches diameter round bar and adjustable laterally  
59 inches

FROM:

X8.28.1 Is endloader painted Federal Standard White 595A (No. 17875) \_\_ YES \_\_ NO

TO:

X8.28.1 Is endloader and attachments painted manufacturers standard?  
       X YES        NO

DELETE:

X8.28.2 Will detail/decorative stripes be provided and installed on unit by successful bidder?  
       YES        NO

X8.28.3 Are stripe(s) width 4 inches as specified? \_\_ YES \_\_ NO

X8.28.4 Does striping method and striping material meet required specifications quoted in sections 8.28.4, 8.28.5 and 8.28.6 \_\_ YES \_\_ NO If NO explain \_\_\_\_\_

X8.28.7 Describe color and type of material of upper stripe: \_\_\_\_\_

X8.28.8 Describe color and type of material of lower stripe: \_\_\_\_\_

X8.28.9 Will bidder consult WVDOH on proposed striping? \_\_ YES \_\_ NO

X8.28.10 Has bidder attached paint plan (chips/samples/striping details) to compliance form  
       YES        NO If No will samples be submitted        YES        NO

X8.28.11 Describe manufacturers paint procedure as specified in sections 8.28.11, 8.28.12 and 8.28.13 \_\_\_\_\_

- X8.28.14 Is white paint specified applied over top of manufacturers standard color \_\_YES\_\_ NO
- X8.28.15 Are areas of distinct color(s) e.g. safety reason be painted as they normally would \_\_YES\_\_ NO
- X8.31 Preventive Maintenance and Operators Orientation/Training:
- X8/31/1 Have you attached a copy of proposed training program. Attach schedule describing course offered with a brief explanation of each subject with the time required for each class. Do not attach instruction material or manuals. Will you furnish all training aids' i.e. videos, projectors, etc., required in conducting the training \_\_YES\_\_ NO

**Features and/or options:**

1. Integrated digital payload scale system;
2. Integrated color rear view camera viewable through machine cluster (some manufacturers may have a separate cab mounted color monitor).
3. GPS/Satellite based remote managements system which allows access to critical machine data and GPS location through internet server. Cost of the Service and system must be included for three full year.
4. Fully adjustable heated operator seat with air suspension and 3" seat belt is another standard feature as is heated outside mirrors (left and right).

**RESPONSE TO ALL 4 QUESTIONS: The Division of Highways has reviewed these extra options and decided not to include in spec.**

PRE-BID CONFERENCE  
SIGN IN SHEET

7011EC16

3/10/2011

Date:

Request for Quotation Number:

4 Wheel Drive, Rubber Tired, Enloader

Project Description:

PLEASE PRINT LEGIBLY. THIS INFORMATION IS ESSENTIAL TO CONTACT THE ATTENDEES IN A TIMELY MANNER. FAILURE TO DO SO MAY RESULT IN DELAYS IN YOUR COMPANY GETTING IMPORTANT BID INFORMATION.

Firm Name:	Bish Equipment Co.
Firm Address:	P.O. Box 1906 Bridgeport, WV 26330
Representative Attending:	Bruce Meeker
Phone Number:	304-755-3311
Fax Number:	304-755-3603
Email Address:	bmeeker@bish.com

Firm Name:	State Equipment Inc.
Firm Address:	P.O. Box 3939 Charleston WV 25339
Representative Attending:	TERRY LAMM
Phone Number:	304 776 4405
Fax Number:	304 776 4409
Email Address:	terry@stateequipment.com

Firm Name:	WEST VIRGINIA TRACTION CO
Firm Address:	P.O. Box 473 CHARLESTON, WV 25302
Representative Attending:	GARY GRAY
Phone Number:	346-5301
Fax Number:	346-5305
Email Address:	WTR@DOR-EMSK.COM

Firm Name:	Leslie Equipment Co.
Firm Address:	Box 23 W/10, Box 299 Martinsburg, WV 26285
Representative Attending:	David Grassmud
Phone Number:	304-636-6421 / (2) 304-642-9826
Fax Number:	304-636-3516
Email Address:	dgrassmud@leec.com

Firm Name:	STATE EQUIPMENT, INC
Firm Address:	P.O. Box 3939 Charleston, WV 25339
Representative Attending:	EDWARD M. ROWAN, JR
Phone Number:	304 776 4405
Fax Number:	304 776 4409
Email Address:	eddie@stateequipment.com

Firm Name:	Bert Smith / Anderson Equip
Firm Address:	2007 Rustkin Dr. Pleasant Valley, 26554
Representative Attending:	Bert Smith
Phone Number:	304-414-5811
Fax Number:	304-366-7214
Email Address:	Bsmith@AndersonEquip.com

PRE-BID CONFERENCE  
SIGN IN SHEET

Request for Quotation Number: 7011EC16

Date: 3/10/2011

Project Description: 4 Wheel Drive, Rubber Tired, Enloader

PLEASE PRINT LEGIBLY. THIS INFORMATION IS ESSENTIAL TO CONTACT THE ATTENDEES IN A TIMELY MANNER. FAILURE TO DO SO MAY RESULT IN DELAYS IN YOUR COMPANY GETTING IMPORTANT BID INFORMATION.

Firm Name:	<u>UNIVERSITY IND. EQ. CO.</u>
Firm Address:	<u>2266 UNIVERSITY BLVD LEWISTOWN, PA. 15745</u>
Representative Attending:	<u>MIKE CLOVER</u>
Phone Number:	<u>724-437-1578</u>
Fax Number:	<u>724-437-2098</u>
Email Address:	<u>MCLOVER@UNIV.IND. EQ. CO.</u>

Firm Name:	<u>C.I. Walker Machinery Co.</u>
Firm Address:	<u>P.O. Box 2427 Charleston, WV 25329</u>
Representative Attending:	<u>DAVE COMAR</u>
Phone Number:	<u>(304) 543-5406</u>
Fax Number:	<u>(304) 759-6404</u>
Email Address:	<u>mcomar@walkers-cat.com</u>

Firm Name:	<u>ICB INC</u>
Firm Address:	<u>2000 BARNARD BLVD POOLE GA 31322</u>
Representative Attending:	<u>DES JARVIS</u>
Phone Number:	<u>317-769-7535</u>
Fax Number:	<u>912-447-2156</u>
Email Address:	<u>DES.JARVIS@ICB.COM</u>

Firm Name:	<u>Argy Noonan</u>
Firm Address:	<u>DOF</u>
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	

Firm Name:	<u>MH Equipment Co.</u>
Firm Address:	<u>126 Lewis Dr. Charleston, WV.</u>
Representative Attending:	<u>Brian Dittel</u>
Phone Number:	<u>502-530-3005</u>
Fax Number:	<u>502-810-9306</u>
Email Address:	<u>bdittel@mh-equipment.com</u>

Firm Name:	<u>Marcia Lee</u>
Firm Address:	
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	



PRE-BID CONFERENCE  
SIGN IN SHEET

Request for Quotation Number: 7011EC16

Date: 3/10/2011

Project Description: 4 Wheel Drive, Rubber Tired, Enloader

PLEASE PRINT LEGIBLY. THIS INFORMATION IS ESSENTIAL TO CONTACT THE ATTENDEES IN A TIMELY MANNER. FAILURE TO DO SO MAY RESULT IN DELAYS IN YOUR COMPANY GETTING IMPORTANT BID INFORMATION.

Firm Name:	<u>Kona Valley</u>
Firm Address:	<u>W/DoA</u>
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	

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Firm Name:	<u>Shun Stone</u>
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Firm Name:	
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Phone Number:	
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Doosan Infracore  
Construction Equipment

# DL200 TECHNICAL DATA





# DL200

## GENERAL SPECIFICATIONS

ITEMS	UNIT	STANDARD
MODEL	ea.	Doosan DL06
NUMBER OF CYLINDERS	ea.	
RATED FLYWHEEL POWER (GROSS) (SAE J1995)	hp / rpm	143 / 2,100
RATED FLYWHEEL POWER (NET) (SAE J1349)	kw / rpm	107 / 2,100
MAX. TORQUE (GROSS) (SAE J1995)	ft. lb.	506 @ 1,400 rpm
	Nm	686 @ 1,400 rpm
PISTON DISPLACEMENT	in. <sup>3</sup>	360
	cc	5,900
BORE AND STROKE	in	3.5 X 4.9
STARTER	V	24
BATTERIES	kw	4.5
	V	12
	AH	100
	lb.	24,912
	kg	11,300
	yd. <sup>3</sup>	2.5 / 2.6
	m <sup>3</sup>	1.9 / 2.0
OPERATING WEIGHT	US 80m	23.2 / 23.2 / 8.5
	L / min.	88 / 88 / 32
BUCKET CAPACITY (BOT/BOC SAE HEAPED)	psi	2,901
MAIN PUMPS	Bar	200
SYSTEM PRESSURE (WORK)	psi	2,538
SYSTEM PRESSURE (STEER)	bar	175
	mph	3.9 / 7.5 / 14.0 / 21.7
TRAVEL SPEED	km / h.	6.2 / 12.1 / 22.6 / 35
	mph	4.5 / 8.3 / 15.5
	km / h.	7.2 / 13.0 / 25.0
	sec.	6.1 ± 0.5
BOOM SPEED	sec.	5.8 ± 0.5
	sec.	4.1 ± 0.5
	sec.	1.2 ± 0.5
BUCKET SPEED	sec.	1.2 ± 0.5
	sec.	1.1 ± 0.5
GRADEABILITY	%	58
	°	30
TIRE SIZE	lbft.	20.5-25-16PR(L3)
BREAKOUT FORCE	kgf.	23,149
		10,500

ITEMS	UNIT	STANDARD
DUMP HEIGHT AT 45°	ft. in.	9'
DUMP REACH AT 45°	mm	2,745
	ft. in.	3' 2"
MAX. DUMP ANGLE (FULLY RAISED)	mm	970
MAX. TILT ANGLE (ON GROUND)	°	49°
MAX. TILT ANGLE (FULLY RAISED)	°	41°
MAX. TILT ANGLE (AT CARRY)	°	63°
BUCKET HINGE HEIGHT	ft. in.	12' 7"
DIGGING DEPTH (0° LEVEL)	mm	3,845
	ft. in.	0' 3"
	mm	75
OVERALL LENGTH	ft. in.	23' 11"
	mm	7,285
OVERALL WIDTH	ft. in.	8' 4"
	mm	2,550
OVERALL HEIGHT	ft. in.	10' 8"
	mm	3,255
GROUND CLEARANCE	ft. in.	1' 6"
	mm	460
WHEEL BASE	ft. in.	9' 6"
	mm	2,900
TREAD	ft. in.	6' 4"
	mm	1,950
MAX STEERING ANGLE	°	40°
TURNING RADIUS (TIRE CENTER)	ft. in.	16' 11"
	mm	5,166
TURNING RADIUS (TIRE EDGE)	ft. in.	17'
	mm	5,185
TURNING RADIUS (BUCKET EDGE)	ft. in.	18' 5"
	mm	5,610
SOUND LEVEL IN CABIN (ISO 6396)	dB(A)	70
EXTERNAL SOUND POWER LEVEL (ISO 6395, 2000/14/EC)	dB(A)	103
FUEL TANK CAPACITY	US gal.	74
	Liter	280

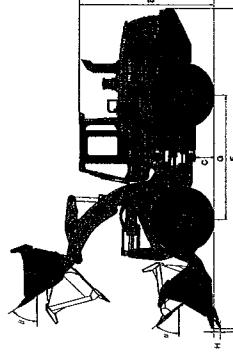
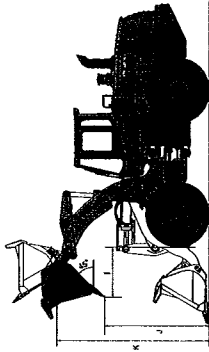
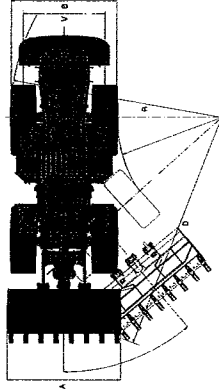


# DL200

## OPERATIONAL DATA

LOADER TYPE		OPERATIONAL DATA			
CONFIGURATION	UNIT	PIN ON		2-BAR	
		TEETH (BOT)	TEETH (BOT)	BOLT-ON EDGE (BOC)	BOLT-ON EDGE (BOC)
CAPACITY HEAPD ISO / SAE	yd <sup>3</sup>	2.4	2.5	1.9	2.0
	m <sup>3</sup>	1.8	1.9	1.3	1.3
TOOTH TYPE		Integrated tooth		Integrated tooth	
BUCKET WIDTH	ft. in.	8' 1"	8' 4"	8' 1"	8' 4"
	mm	2,470	2,550	2,470	2,550
BREAKOUT FORCE	lbf.	23,149	23,149	23,149	23,149
	kgf.	10,500	10,500	10,500	10,500
STATIC TIPPING LOAD (STRAIGHT)	lb.	19,037	19,370	18,850	19,370
	kg	8,635	8,870	8,554	8,861
STATIC TIPPING LOAD (AT FULL TURN)	lb.	16,713	16,670	16,060	16,510
	kg	7,554	7,550	7,283	7,487
DUMP HEIGHT (AT 45°) (AT FULLY RAISED)	ft. in.	8' 11"	8' 11"	9' 2"	8' 7"
	mm	2,730	2,730	2,800	2,619
DUMP REACH (AT 45°) (AT FULLY RAISED)	ft. in.	3' 8"	3' 3"	3' 5"	3' 1"
	mm	1,110	1,000	1,050	940
DIGGING DEPTH	ft. in.	3"	0' 4"	3"	0' 4"
	mm	70	90	70	90
HEIGHT AT BUCKET FRONT POINT	ft. in.	12' 4"	12' 7"	12' 4"	12' 7"
	mm	3,165	3,850	3,165	3,850
MAX. TILT ANGLE AT CARRY POSITION	°	47	47	47	45
MAX. TILT ANGLE AT FULLY RAISED	°	63	63	63	65
MAX. TILT ANGLE ON GROUND	°	41	41	41	43
EXTERNAL RADIUS AT TIRE SIDE	ft. in.	37' 1"	37' 1"	37' 1"	37' 1"
	mm	5,210	5,210	5,210	5,210
EXTERNAL RADIUS AT BUCKET EDGE	ft. in.	18' 3"	18' 5"	18' 2"	18' 3"
	mm	5,565	5,610	5,526	5,570
WHEEL BASE	ft. in.	9' 6"	9' 6"	9' 6"	9' 6"
	mm	2,900	2,900	2,900	2,900
WIDTH AT TIRES	ft. in.	8' 1"	8' 1"	8' 1"	8' 1"
	mm	2,460	2,460	2,460	2,460
TREAD	ft. in.	6' 4"	6' 4"	6' 4"	6' 4"
	mm	1,930	1,930	1,930	1,930
GROUND CLEARANCE	ft. in.	1' 3"	1' 6"	1' 3"	1' 6"
	mm	380	445	380	445
OVERALL LENGTH	ft. in.	23' 10"	23' 11"	23' 6"	24' 4"
	mm	7,261	7,285	7,166	7,417
OVERALL HEIGHT	ft. in.	10' 5"	10' 8"	10' 5"	10' 8"
	mm	3,175	3,240	3,175	3,240
OPERATING WEIGHT	lb.	24,508	25,670	25,090	26,420
	kg	11,298	11,649	11,379	11,985

QC ON BOLT-ON EDGE (BOC)	HIGH LIFT PIN ON BOLT-ON EDGE (BOC)
2.6	2.6
2	2
8' 4"	8' 4"
2,550	2,550
23,149	22,050
10,500	10,000
18,470	16,790
8,380	7,618
15,719	14,661
7,130	6,650
8' 10"	10' 4"
3' 5"	3' 3"
1,035	1,000
0' 4"	0' 10"
90	250
12' 7"	13' 9"
3,850	4,184
45	51
65	58
43	45
17' 1"	17' 1"
5,210	5,210
18' 3"	18' 8"
5,570	5,697
9' 6"	9' 6"
2,900	2,900
8' 1"	8' 1"
2,460	2,460
6' 4"	6' 4"
1,930	1,930
1' 6"	1' 6"
445	445
24' 0"	24' 11"
7,322	7,587
10' 8"	10' 8"
3,240	3,240
26,600	26,320
11,066	11,240





## STANDARD EQUIPMENT

### ENGINE:

- DOOSAN DLO6:
- Turbo-Charged and After Cooled
- Electronically Controlled Common Rail Direct Injected
- 359 cu.in., 6 Cylinder
- 137 SAE Net Flywheel Horsepower @ 2,100 rpm
- Air Cleaner:

- Dry Type (Double Stage)
- Engine Self Diagnostic System
- Plastic Reversible Fan Driven by Hydraulic Fan Motor

### HYDRAULIC SYSTEM:

- Triple Tandem Gear Pump
- 2 Spool Type Control Valve (Pilot Operated)
- 3rd Valve with Lines & Control
- Automatic Boom / Lift - Kick-Out (Adjustable Electro-Magnetic)
- Automatic Return-to-Dig Position (Adjustable Electro-Magnetic)
- Accumulator for Emergency Pilot System

### BRAKE SYSTEM

- Dual Pedal Braking System
- 4 Wheel Inboard Wet Disc Brakes (Outboard Planetary)
- Fully Hydraulic, 4-Wheel Brakes with Separate Front & Rear Circuits
- Accumulator for Emergency Stopping
- Parking Brake:
- Oil Released, Spring Apply Hydraulic Release on Front Axle

### STEERING:

- EHPS (Electro Hydraulic Power Steering) with Integrated Priority Valve
- 40 Degree Articulation, Fully Hydraulic Power Steering
- Cylinder Cushion Valve
- Tilt and Telescopic Steering Wheel

### CAB WITH ROPS:

- Air Conditioner
- Heater & Defroster
- Double Filtered Air Cab
- Combination Lever
- Accelerator Pedal

### FNR Lever:

- Rear Hinged (Both Sides) & Locking Doors (Emergency Access Right Door)

### Radio:

- AM/FM Stereo with Cassette
- Remote Radio On/Off Switch, Control Volume, Channel Selection

### Switches:

- Automatic Shift Mode
- Economy Mode Switch
- Headlight Switch
- Front Work Light Switch
- Rear Work Light Switch
- Rear Wiper Switch
- Pilot Cutoff Switch
- Parking Brake Switch
- Transmission Cutoff Switch
- Mirror Heater Switch
- Reverse Fan Switch
- Engine Diagnostic Switch

### Rear View Mirrors with Heat Wire

- Safety Glass, Tinted
- Fully Adjustable Suspension Seat
- Seat Belt (2" Wide)
- Sliding Door Windows (Left Side)
- Sound Suppression
- Sun Visor

### Windshield Wipers & Washers - Front & Rear

- Digital Clock
- Wrist Rest
- 12V Power Supply

### TRANSMISSION / AXLES:

- Full Automatic Power Shift
- 4 Forward & 3 Reverse Speeds
- Differentials - Torque Proportioning, Front & Rear
- Electrical T/M Clutch Disconnect with Service Brake
- T/M Down Shift on Shift Control and Joystick Control
- Transmission Oil Level Gauge

### ELECTRICAL:

- Alternator:
- 60 Amp, 24V
- Batteries:
- (2) 12V, 100 Amp Hrs 750 CCA
- Starter:
- 24V Direct Drive 4.5 kW
- Horn
- Hour Meter

### Lights:

- (2) Front Headlights with High / Low Beams
- (2) Front & Rear Floodlights

### Alarm Buzzer for:

- Transmission Overheat
- Engine Oil Pressure
- Coolant Temperature
- Electronic Monitoring & Display for:
- Fuel Level Gauge
- Speedometer
- Tachometer

### Engine Coolant Temperature Gauge

- Transmission Oil Temperature Gauge
- Transmission Display
- Preheat Indicator Light
- Air Cleaner Clogging Warning Light
- Battery Warning Light
- Left Turn and Hazard Warning Light
- Right Turn and Hazard Warning Light
- High Beam Indicator Light
- Work Light Indicator Light
- Reverse Fan Indicator Light
- Mirror Heater Indicator Light
- Parking Brake Indicator Light
- F/R (Forward/Reverse) Selector Indicator Light
- Brake Pilot Pressure Warning Light
- Engine Warning Light
- Back-Up Alarm
- Hazard Warning Light Switch

### TIRES:

- Bias 20.5-25 Kumho - Hankook

### OTHER STANDARD EQUIPMENT:

- Single Lever Control with FNR Control Buttons
- Air Cleaner with Pre-Cleaner
- Engine Side Covers
- Boom / Raise Kick-Out
- Boom / Float
- Drawbar and Pin
- Neutral Safety Start System
- Muffler
- Fenders, Front & Rear
- Ladders & Service Platforms
- Tool Box
- Manuals:
- Parts & Operator's
- GPS with 1 Year Subscription



**DL200**

**NOTES**

**OPTIONAL EQUIPMENT**

**TIRES & RIMS - FACTORY INSTALLED**

20.5R25 L3 Triangle or Bridgestone

**DOOSAN BUCKET - FACTORY INSTALLED**

2.5 yd.<sup>3</sup> GP Pin On 100" Width w/ 3pc. Cutting Edge

**ADDITIONAL OPTIONS - FACTORY INSTALLED**

- Air Suspension Seat
- Additional Counterweight 440 lb. (200 kg)
- Emergency Steering Kit
- Load Isolation / Ride Control
- Full Fender
- Axles with Limited Slip Differentials

**ACS BUCKETS - DEALER INSTALLED**

- 2.5 yd.<sup>3</sup> GP Pin On Bucket 108" w/ Bolt On Cutting Edge
- 2.5 yd.<sup>3</sup> GP Coupler Mt Bkt 108" w/ Bolt On Cutting Edge
- 4.0 yd.<sup>3</sup> LM Pin On Bucket 108" w/ Bolt On Cutting Edge
- 4.0 yd.<sup>3</sup> LM Coupler Mt Bkt 108" w/ Bolt On Cutting Edge
- 2.5 yd.<sup>3</sup> MP Pin On Bucket 108" w/ Bolt On Cutting Edge
- 2.5 yd.<sup>3</sup> MP Coupler Mt Bkt 108" w/ Bolt On Cutting Edge
- 2.0 yd.<sup>3</sup> SD Pin On Bucket 120" w/ Bolt On Cutting Edge

**ACS COUPLER - DEALER INSTALLED**

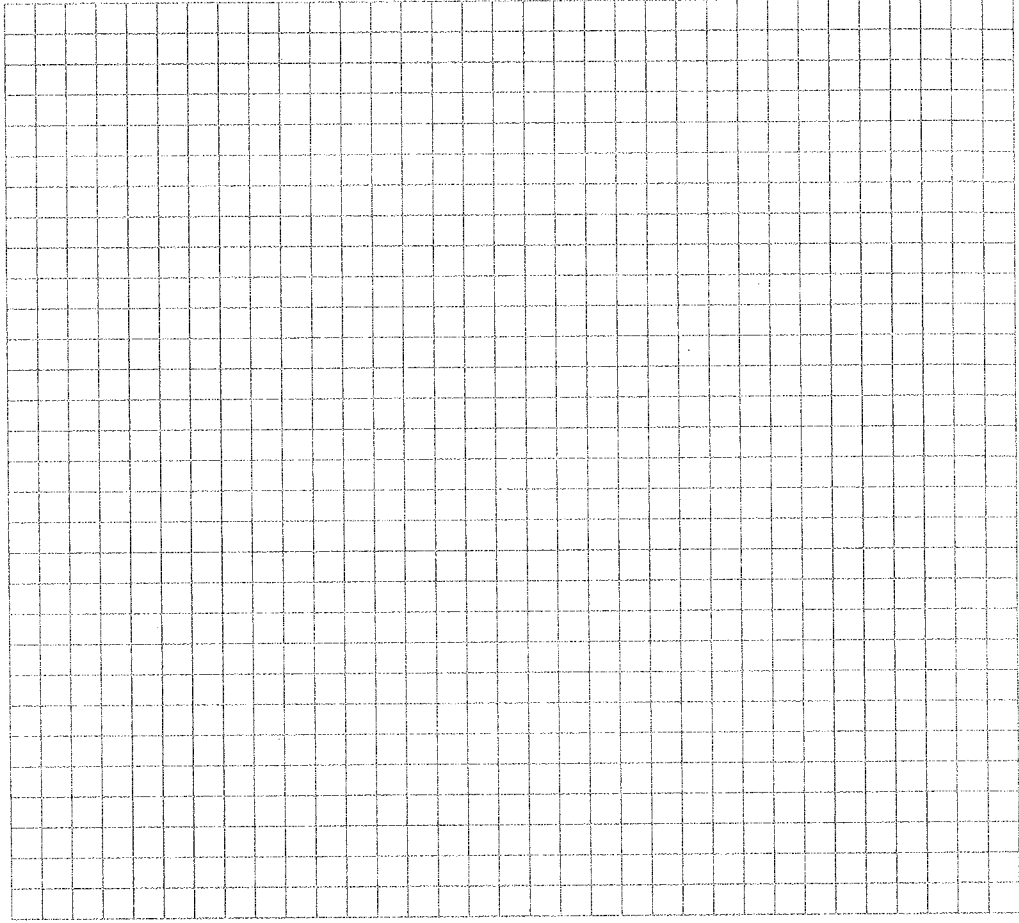
Pro Series 2000 Hyd. Coupler w/ Hyd. Installation Kit (#30)

**ACS FORKS - DEALER INSTALLED**

- 48" Pallet Forks
- 60" Pallet Forks

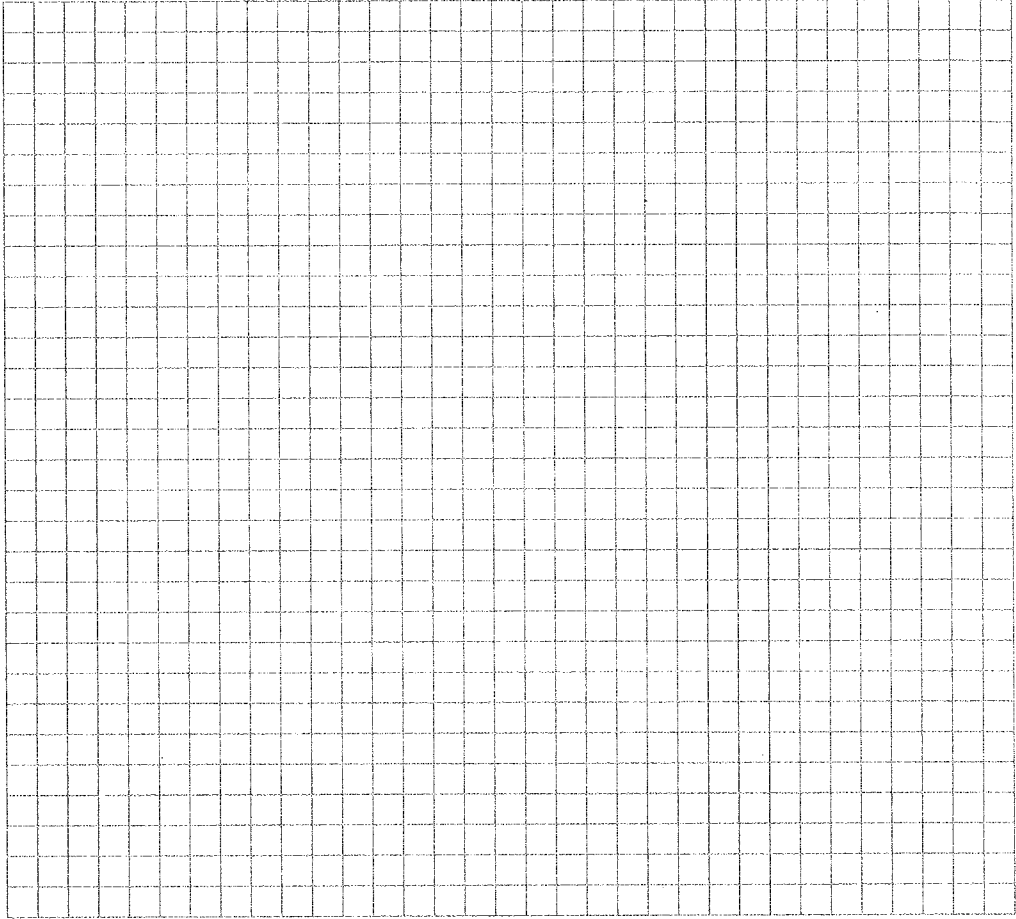
**ADDITIONAL OPTIONS - DEALER INSTALLED**

- Auxiliary Line Kit Down the Boom Arms
- 3" Seat Belt

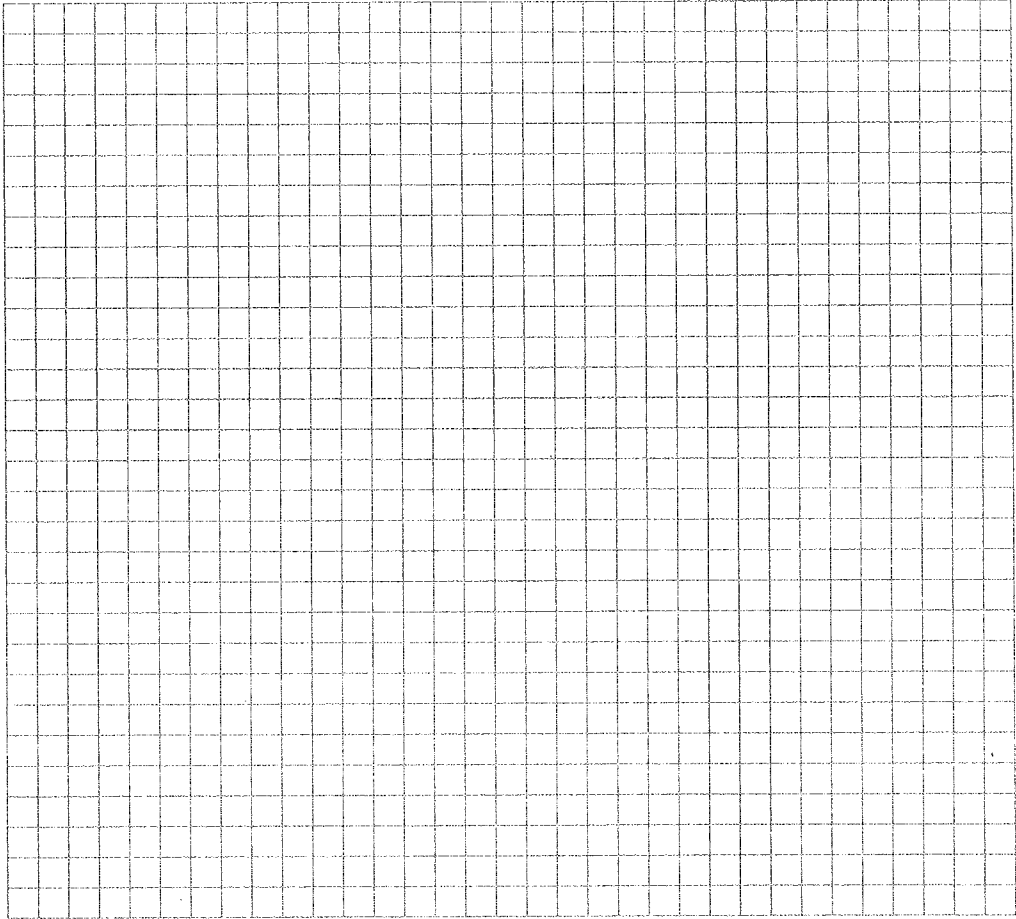


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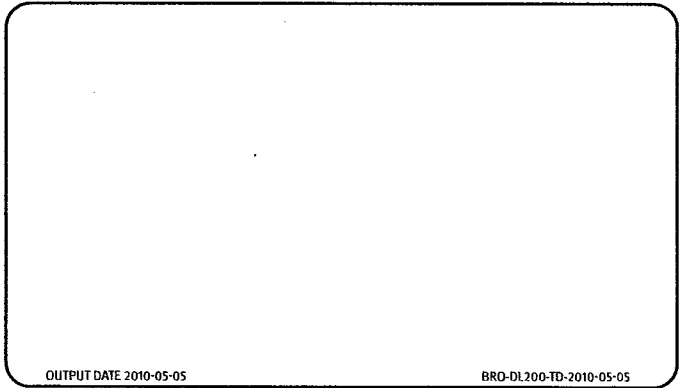
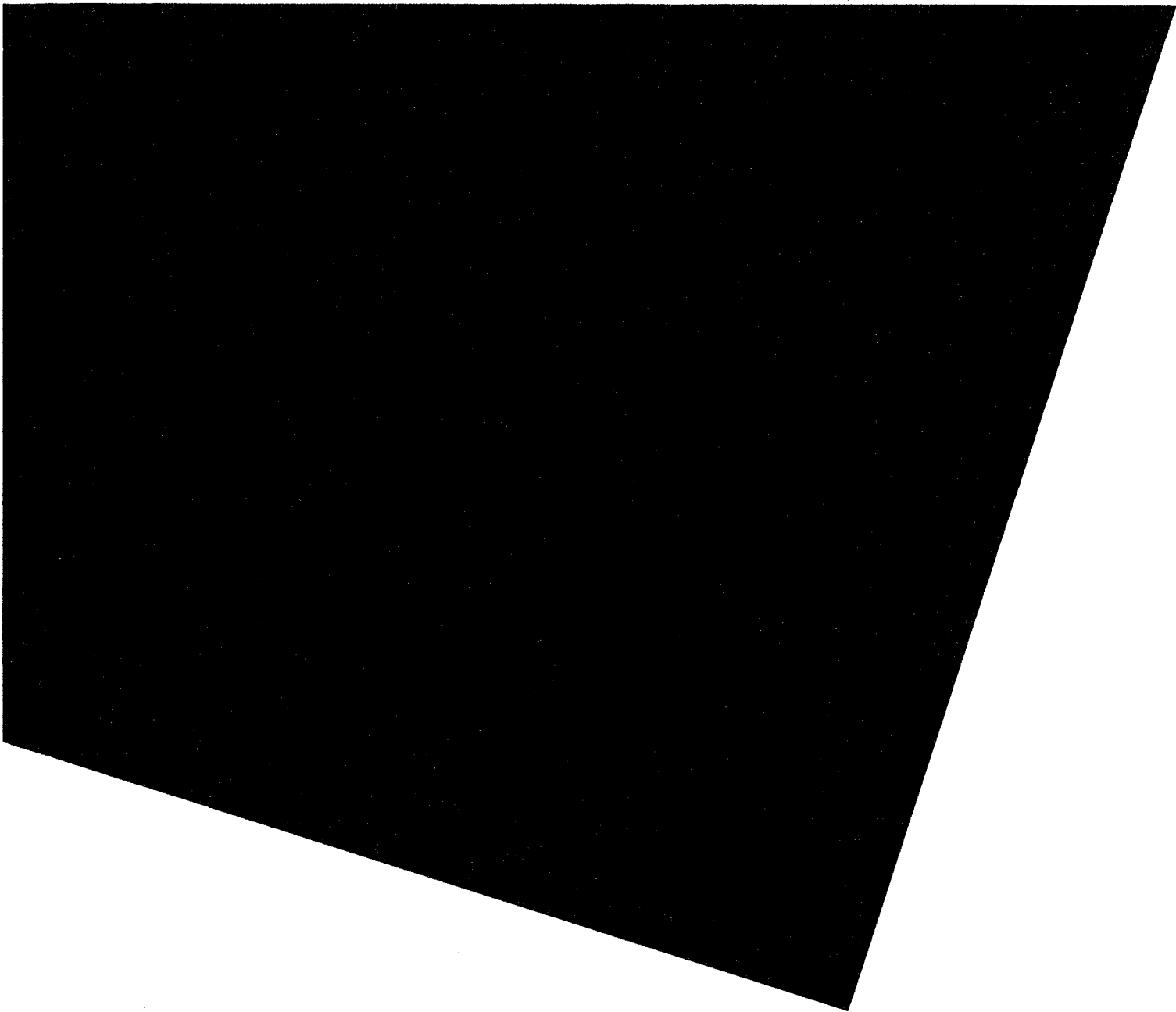
**NOTES**



**NOTES**



**DOOSAM**



OUTPUT DATE 2010-05-05

BRO-DL200-TD-2010-05-05

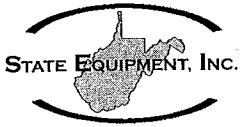
For more information, call 1.888.323.9661,  
E-mail [InfoNow@dhiac.com](mailto:InfoNow@dhiac.com) or visit [www.infracore.com](http://www.infracore.com)



**Doosan Infracore**

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# STATE EQUIPMENT, INC.

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INFO@STATEEQUIPMENT.COM

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## **1.5 NEW MACHINE STANDARD WARRANTY**

DIA warrants DOOSAN Hydraulic Excavators and Wheel Loaders to be free from defects in material and workmanship for twelve (12) months from the date the Distributor or agent first places the unit into service or one thousand five hundred (1500) unit hours, whichever occurs first.

DIA's obligation under this warranty is limited to repairing or replacing, at its option, any parts which are defective in material or workmanship. DIA will reimburse the Distributor, to

the extent established by its policy in effect at the time of delivery to the user, the cost of parts provided under this warranty.

This warranty applies to defects in material and workmanship and is applicable for warrantable repairs made at the nearest authorized DIA Distributor.



Doosan Infracore

**DOOSAN ELITE ASSURANCE  
FULL MACHINE COVERAGE  
TERMS AND CONDITIONS**

This CONTRACT is subject to the following terms, provisions, conditions, limitations, extensions, exceptions and definitions. No person has the authority to change or to waive any of its provisions. This CONTRACT is for the sole benefit of the CONTRACT HOLDER named herein and applies only to the EQUIPMENT described in the Declaration Section of this CONTRACT.

**KEY TERMS AND DEFINITIONS:**

- **CONTRACT:** means this EQUIPMENT SERVICE CONTRACT. It is a CONTRACT between YOU and US.
- **WE, US, OUR, DEALER, MANUFACTURER:** means the Provider issuing this CONTRACT.
- **YOU, YOUR, CONTRACT HOLDER:** means the owner of the EQUIPMENT listed in the Declaration Section this CONTRACT.
- **EQUIPMENT/MACHINE:** means the EQUIPMENT described in the Declaration Section of this CONTRACT.
- **ADMINISTRATOR:** means the company appointed by US to administer this CONTRACT. The ADMINISTRATOR is DOOSAN INFRACORE.
- **MECHANICAL BREAKDOWN or FAILURE:** means the actual breaking or electronic failure of any covered part of the covered MACHINE while in ordinary use arising from faults attributable to manufacturing defects in workmanship or materials in such MACHINE causing sudden stoppage of the functions thereof and necessitating repair before it can resume work.
- **DEDUCTIBLE:** means the portion of the repair that is covered by this CONTRACT, which YOU must first pay for each unrelated FAILURE. The DEDUCTIBLE amount is outlined in the Declarations Section of this CONTRACT.

**WHAT YOUR CONTRACT COVERS:**

**I. ENGINE**

**A. MAJOR ASSEMBLIES**

**BLOCK GROUP:** Including liners and sleeves, housings and covers. Front and rear covers, cover housing, flywheel housing. Timing rear plate/ housing, timing gear cover, cylinder block, cylinder liner, liner seat/insert, spacer plate, cylinder block sleeve, cylinder block cylinder, and cylinder block main bearing bores.

**CRANKSHAFT GROUP:** Including main bearings, seals, pulley, damper, and balancer. Crankshaft front seal, crankshaft rear seal, crankshaft, crankshaft main bearing, crankshaft gear, vibration damper/pulley, and balancer.

**FLYWHEEL GROUP:** Including adapters, flywheel and flywheel ring gear. (Refer to block group for flywheel housing).

**PISTON GROUP:** Including connecting rods, rod bearings and rings, piston and liner, piston, piston rings, connecting rod, connecting rod bearing, piston and connecting rod assembly.

**GEAR GROUP:** Front and rear, including timing and drive gears, bearings and shafts. Engine output transfer gears, and timing/accessory gears.

**CAMDRIVE GROUP, HEAD GROUP/CYLINDER:** Including camshaft, drive gear, valve mechanism, cam gear, covers, housing, and pre chamber/adaptor. Cylinder head assembly, cylinder head casting, rocker shaft assembly, valve seat/insert, valve guide, valve, pre chamber/nozzle adaptor, valve cover, valve spring, valve rotator, camshaft (overhead), camshaft bearing (overhead), camshaft follower (overhead), camshaft housing assembly (overhead), water director, compression release, valve cover base, push rod, valve lifters, camshaft, camshaft bearing, and camshaft gear.

**B. FUEL SYSTEM**

**PUMP GROUP, FUEL TRANSFER:** Fuel transfer pump housing, fuel transfer pump, and auxiliary fuel transfer pump.

**VALVES AND LINES GROUP, FUEL:** Including high pressure lines, nozzles. Fuel injection lines, fuel injection valve/nozzle. (Refer to governor group for unit injectors).

**GOVERNOR GROUP, PUMP GROUP/INJECTION:** Including housing, unit injector, fuel system group (with variable timing), governor drive, mechanical shut off, and torque control. Fuel injection pump, fuel injection pump housing, fuel rack/control shaft, governor, speed limiter, variable timing unit, fuel injection pump lifters, fuel injection pump housing and governor, governor housing, fuel injection pump/governor drive, hydraulic/electric governor, unit injector, output shaft governor, camshaft (fuel system), unit injector control linkage.

**CONTROL GROUP AIR/FUEL RATIO:** Fuel ratio control.

**C. AIR INDUCTION AND EXHAUST SYSTEM**

**MANIFOLD GROUPS, INLET AND EXHAUST:** Inlet manifold and piping between turbo compressor and manifold. Exhaust manifold.

**TURBO GROUP INCLUDING CONTROLS:** Turbocharger, turbocharger cartridge, turbocharger cartridge housing, exhaust bypass valve, turbocharger compressor housing, turbocharger turbine housing, turbocharger thrust plate assembly, turbocharger heat shield, differential pressure regulator (pressure ratio regulator), turbocharger shaft and wheel assembly, and boost control valve.

**AFTERCOOLER GROUP, AIR EXCHANGER CORE:** Aftercooler, and aftercooler core.

**D. LUBRICATION SYSTEM**

**PUMP GROUP AND DRIVE, MAIN LUBRICATION:** Oil pan, oil pump, oil scavenge pump, oil pump drive, and oil pressure relief valve.

**PUMP GROUP AND DRIVES, AUXILIARY:** Includes pre lube pumps (see cooler group, exchanger group, and head for oil cooler). Oil filter housing/base and pre lube pump.

**E. COOLING SYSTEM**

**DRIVE GROUP, FAN:** Includes fan group, belt tighteners, fan assembly, fan drive assembly, hydraulic fan motor, and hydraulic fan pump.

**PUMP GROUP, JACKET WATER:** Includes drive group, water pump, water pump impeller, water pump housing, and water pump pulley.

**COOLER GROUP, HEAT EXCHANGER GROUP:** Includes cores, housing, brackets (all coolers except radiator), brake oil cooler, brake and torque converter oil cooler, retarder cooler, torque converter/transmission oil cooler, torque converter, transmission oil cooler, engine oil cooler, and heat exchanger.

**LINES GROUP:** Includes thermostat/water temperature regulator.

**II. POWER TRANSMISSION**

**A. MANUAL SHIFT TRANSMISSION**

**TRANSMISSION GROUP, DIRECT:** Includes shafts, gears, bearings, manual shift transmission, transmission gears, reverse box, transmission shaft, and transmission case.

**B. FLYWHEEL CLUTCH AND CLUTCH BRAKE**

**CLUTCH GROUP, FLYWHEEL:** Including clutch, shaft, and bearing, dry clutch, oil clutch, clutch shaft, clutch plate, clutch booster, and throw out bearing.

**BRAKE GROUP, CLUTCH:** Including disc drum, bands, and clutch brake.

**CONTROL GROUP, CLUTCH:** Includes flywheel clutch hydraulic control.

### C. TORQUE CONVERTER, DIVIDER AND RETARDER

**CONVERTER GROUP, TORQUE:** Including stator, gear, impeller, and housing. torque converter, torque converter clutch, and torque converter housing.

**CONTROL GROUP, CONVERTER AND DIVIDER:** Including valves (see pump group, transmission), torque converter and retarder, torque divider, torque divider transmission control valve, torque divider transmission governor, and torque divider planetary carrier.

**RETARDER GROUP:** Including adapter, seals, and retarder.

**CONTROL GROUP:** Including valves, retarder/extended braking control, and retarder control valve.

### D. POWER SHIFT TRANSMISSION

**VALVE GROUP, TRANSMISSION HYDRAULIC:** Including selector and pressure control valves, transmission control valve, transmission pump, manual selector valve, automatic selector valves, transmission hydraulic control, transmission electronic control, transmission shift valve, transmission neutralizer control valve, transmission control lock, and thermal bypass valve.

**PLANETARY GROUP:** Including case, housing, clutches, gears, bearings, covers, support bracket, transmission arrangements and groups, and parking brake when part of transmission, transmission clutches, transmission planetary, clutch housing, clutch piston, power shift transmission planetary carrier thrust surface, and transmission case.

**GOVERNOR GROUP:** Including automatic shift and governor drive, and transmission governor.

**PUMP GROUP:** Including torque converter pump, pump drive. Includes power train scavenger pump, oil filter base, and transmission lubrication relief valve.

**GEAR GROUP, TRANSFER:** Includes transfer gears (not parking brake).

### E. HYDROSTATIC TRANSMISSION

**VALVE GROUP, CONTROL:** Including all internal valves, hydraulic flow control, servo control valve, manifold/metering valve, hydrostatic main control valve, high pressure relief valve, charge and main relief valve, synchronizing valve, hydrostatic transmission underspeed valve, hydrostatic transmission lines and hoses (excluding external lines), hydrostatic transmission pilot over speed valve, hydrostatic transmission speed control valve, and drive control valve.

**PUMP GROUP, PISTON:** Including variable displacement pump

**PUMP GROUP, CHARGE:** Including charge pump

**SERVO GROUP, ROTARY:** Including cylinder, servo pump and control linkage (internal only).

### F. COUNTERSHAFT TRANSMISSION

**CLUTCH GROUP:** Including housings, plates, discs, bearings, countershaft clutch, countershaft clutch housing, and countershaft clutch piston.

**BRAKE GROUP, TRANSMISSION AND INTERNAL SERVICE BRAKES:** Including oil pump when part of the brake group, and countershaft brake.

**PUMP GROUP, TRANSMISSION:** Including manifold and lines, torque converter pumps and lines (internal lines only), and countershaft oil pump.

**CONTROL GROUPS, PNEUMATIC:** Including valves when part of the pneumatic control groups. Pneumatic control groups.

**GEAR GROUP, CASE GROUP:** Including housings, gears, bearings and shafts, countershaft case, transfer gears, countershaft shaft, and countershaft output gears.

**CONTROL GROUPS, HYDRAULIC:** Including valves when part of the control group, pressure control valve, hydrostatic control groups, and electronic control groups.

### G. POWER FLOW CONNECTORS

**SHAFT GROUP, VEHICLE DRIVE, and JOINT GROUP/UNIVERSAL:** Includes universal joint (excluding auxiliary shaft groups), drive line/shaft, drive shaft support, and constant velocity universal joint.

**COUPLING GROUP:** Including flexible couplings, and yoke group.

**DRIVE GROUP, PUMP:** Including gear driven PTO's (internal engine), engine power takeoff drive, accessory drive, power takeoff drive (internal transmission), hydrostatic transmission, hydrostatic transmission output shaft, and engine output drive assembly.

## III. DRIVE SYSTEMS

### A. STEERING CLUTCHES AND BRAKES (TRACK VEHICLES ONLY - EXCLUDES DIFFERENTIAL STEER MACHINES)

**CLUTCH GROUP, STEERING (NOT CASE):** Including combined steering brake and clutch groups, bevel gear and shaft when part of steering clutch group, steering clutch/ oil type, and steering clutch/dry type.

**BRAKE GROUP AND BRAKE HYDRAULIC MECHANISMS:** Including steering brake group, brake band/lining, brake control valve, steering brake and hydraulic mechanism, parking brake adapters, and drive line seals on excavators and hydrostatic loaders, brake booster, brake actuating mechanism, and brake lubrication relief valve.

**CONTROL GROUP, STEERING AND BRAKE:** Including valve and pump, steering clutch control valve, steering clutch control pump, steering clutch booster, steering clutch relief valve, steering clutch release piston, steering clutch and brake control valve.

**B. DIFFERENTIAL STEERING AND BRAKES** Differential steering planetary, differential drive and brake, planetary and brake, and differential steering control valve.

### C. DRIVE LINE (TRACK AND WHEELED VEHICLES)

**DIFFERENTIAL GROUP, BEVEL GEAR, AND SHAFT:** Including gear, shaft case, bearing and controls, bevel gear/shaft, bevel gear shaft bearing, differential, double reduction differential, differential lock, nospin differential, differential lock cylinders, differential lock control valve, differential lock actuator valve, differential bevel gear and shaft, and steering clutch bevel gear and shaft.

**DRIVE GROUP, FINAL:** Including wheel but excluding brake on combined groups. Final drive brake and wheel, final drive, final drive and wheel, final drive seal, drive axle hub/gear assembly (includes driveshaft only on excavator parking brake group), final drive hub, final drive gears, final drive pinion flange, sprocket shaft/bore, final drive case/bore, final drive oil pump, outer bearing support assembly, final drive outer section, final drive inner section, final drive pinion, and final drive planetary carrier thrust surface.

### D. WHEELS AND AXLES (WHEELED VEHICLES ONLY)

**DRIVE GROUP, TANDEM:** (excludes dry brakes) including wet brakes, drive chain, tandem drive, tandem drive chain, tandem drive housing, tandem drive stub axle, tandem drive sprocket, and driven sprocket tandem drive.

**E. PISTON MOTOR GROUP, HYDRAULIC DRIVE:** Includes piston motor, hydrostatic piston motor link and differential steering piston motor, and piston pump, and track motor.

**F. DRIVE AXLE GROUP, FRONT AND REAR** Drive axle, and axle housing.

## IV. VIBRATORY COMPONENTS (VIBRATORY COMPACTORS ONLY)

**A. VIBRATORY VALVES:** Vibratory control valve group, drum selector valve group, and vibratory cooling valve group.

**B. PUMPS AND MOTORS:** Vibratory pump, vibratory motor, and vibratory charge pump.

**C. VIBRATORY MECHANISM:** Vibratory mechanism, hydraulic pump and motor, hydraulic valves, weights, shaft, u-joints, bearings, and drum isolation system. Components not covered include drums, switches, and solenoids.

**V. SWING GEAR ASSEMBLY:** Includes swing gear, swing gear motor, and swing gear reduction unit.

**IN ADDITION TO THE ABOVE, OUTLINED BELOW ARE PARTS COVERED DUE TO A MECHANICAL BREAKDOWN UNDER FULL MACHINE COVERAGE.**

**I. ENGINE:** Oil filter tube, fuel lines at filter base, pressure/temperature sensors and sending units, engine mounts and supports, pulleys, engine speed controls and linkage, radiator and hoses, engine oil lines, water piping, and fuel tank.

**II. TRANSMISSION/DIFFERENTIAL:** Shift control linkage, levers, control rods, sending units, sensors, external oil lines, filter tubes, accumulator and related relief valves, differential oil cooler, disconnect levers and handles.

**III. STEERING/BRAKES:** Steering pump, steering valves and cylinders, axle supports, tie rod ends, steering linkage, secondary steering system components, crossover relief valve, and priority valve. Brake pump, brake valve, brake accumulator, unloading valve, and pressure reducing valve.

**IV. HYDRAULIC COMPONENTS:** Hydraulic pumps and motors and related control valves operating other than final drives, hydraulic

**WHAT IS NOT COVERED:**

1. **MECHANICAL BREAKDOWN or FAILURE:**
  - i. caused by negligence, misuse or abuse;
  - ii. caused by lack of maintenance (see maintenance requirements in Section "B YOUR RESPONSIBILITIES");
  - iii. caused by any external cause, such as fire, lightning, explosion, the extinguishing of a fire or subsequent demolition, aircraft and other aerial devices or articles dropped therefrom, collapse of buildings, theft or any attempt of threat, earthquake, tsunami, volcanic eruption, or other convulsion of nature, subsidence, landslide, rock fall, avalanche, hurricane, tornado, typhoon, cyclone or other atmospheric disturbances, flood, inundation, escaping water from water containing apparatus, or clearance of debris, demolition or dismantling arising from these causes;
  - iv. arising out of the FAILURE of an otherwise covered part that does not meet manufacturers specifications, including modification and/or alterations to the EQUIPMENT not approved by the manufacturers authorized representative or the ADMINISTRATOR;
  - v. caused by the application of any tool or process during the course of maintenance, inspection, modification or overhaul; transportation to and from repair facility;
  - vi. covered by warranty, repairers guarantee, other service contract, or insurance policy;
  - vii. of any part(s), component(s), or repair(s) described as covered by the manufacturers warranty for the term and meter hours of such coverage at the time of first retail sale, whether collectible or not;
  - viii. caused by the imposition of abnormal conditions, directly or indirectly resulting from testing, intentional overloading or experiments;
  - ix. directly occasioned by pressure waves caused by aircraft or other aerial devices traveling at sonic or supersonic speeds;
  - x. where it is determined that for more than one (1) month or two hundred (200) hours that the service meter has been inaccurate, inoperative, or altered so that the EQUIPMENT'S true usage cannot be verified;
  - xi. that is a direct result of a mechanical or structural defect when the manufacturer has announced a public recall or a product support program for the purpose of correcting such defect;
  - xii. due to continued operation and failure to protect the EQUIPMENT from further damage caused by lack of necessary coolants or lubricants;
  - xiii. of a covered part which is damaged by fuel or lubricant contamination or rust;
  - xiv. that occurs prior to this CONTRACT'S ISSUE DATE/EFFECTIVE DATE, whichever is earlier, or after this CONTRACT'S expiration;
  - xv. occasioned by or through or in consequence directly or indirectly of any of the following occurrences:
    - a. war, invasion, acts of foreign enemies, hostilities (whether war be declared or not), civil war, rebellion, revolution,

cylinders, saddle locking pin cylinder, cylinder packing kits, control and load holding valves, lines and fittings, hydraulic reservoir, and hydraulic oil cooler.

**V. ELECTRICAL:** Starter, starter drive, starter solenoid, alternator, voltage regulator, instruments, gauges, indicators, sensors, switches, wiper motors, and wiring harness. ECU, TCU, EPOS, Display, FNR Control Device, Servo Control Coils and Electronic Control System Harness.

**VI. FACTORY AIR CONDITIONING:** Compressor, clutch, condenser, evaporator, and temperature control programmer.

**VII. FRAMES/OTHER:** Main frame, track frames, engine frame, loader boom, backhoe boom, dipper stick and linkages, bucket linkages, ripper linkages, scraper bowl, draft frame and sliding floor, elevator drive and gearbox, skidder arch, skidder boom and grapple, forklift mast and frame, motor grader circle and circle drive gearbox.

- insurrection, military or usurped power or confiscation or nationalization or requisition or destruction of or damage to property by or under the order of any government or public or local authority;
- b. the act of any person acting on the behalf of or in connection with any organization with activities directed toward the overthrow by force of the government de jure or de facto or to the influence of it by terrorism or violence;
- c. riot, strike, lock-out, civil commotion, confiscation, commandeering or requisition by order of any lawfully constituted authority.
- xvi. directly or indirectly caused by or contributed to by or arising from:
  - a. ionizing radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel;
  - b. the radioactive, toxic, or explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof;
- xvii. caused by any operation in which a load is shared between any item of MACHINE classed as lifting EQUIPMENT (whether covered hereunder or not) unless otherwise agreed in writing by the ADMINISTRATOR.
2. Loss of time, inconvenience, bodily injury and property damage, or other incidental or consequential damage that results from MECHANICAL BREAKDOWN or FAILURE, including: loss of use of any EQUIPMENT or consequential loss of any nature whatsoever, penalties for delay or detention, or in connection with guarantees of performance or efficiency.
3. Storage, travel time, mileage, hauling charges, freight charges, shop supplies, oil, filters, lubricants, coolant, EPA charges, waste disposal charges and taxes. Repairs to any non-covered parts or ground engaging tools.
4. Repairs to any non-covered parts, ground engaging tools, normal wears items, and maintenance items such as refractory linings, chains, belts, batteries, tires, flexible pipe jointing, and all other parts not made of metal (except the insulation of electrical conductors and non-metallic parts contained within the power train); hydraulic hoses and fittings, paint, wiper blades, bulbs, seat assembly, engine tune up supply items such as brake clean, silicone gasket material or welding rods, door latches, handles or hinges, seat belts, grab rails, horn, operating lights, back up alarm, ac filters, water filters, air filters, bed liner, radio, teeth on shank assembly, door, window, mirror, mirror bracket, weather stripping and attachments.
5. Undercarriage components.
6. The cost of establishing preventative procedures or the cost of recall by the Manufacturer of the covered EQUIPMENT or any part thereof nor the cost of alterations, additions, improvements or overhauls.

7. Additional loss or damage which is occasioned by the CONTRACT HOLDER or operator's failure to use all reasonable precautions to protect the EQUIPMENT from any further loss or damage after a MECHANICAL BREAKDOWN or FAILURE has occurred.
8. The cost of tear down, disassembly or assembly if coverage cannot be applied.
9. Any costs if verifiable proof of maintenance, as required in Section B, "YOUR RESPONSIBILITIES" is not furnished on request.
10. Any wastage of material, wearing away or wearing out of any part of the EQUIPMENT caused by or resulting from ordinary usage, rust, boiler scale, other deposits, erosion, corrosion, cavitation or deterioration due to chemical or atmospheric conditions, or other scratching of painted or polished surfaces and or other environmental conditions. Slowly developing, deformation, distortion, cracks, fractures, blisters, laminations, flaws or grooving or the making good of defective tube joints or other defective joints or seams unless such defects in damage otherwise covered under this CONTRACT.
11. Any legal liability of whatsoever nature;
12. Notwithstanding any provision to the contrary within the CONTRACT (or within any other endorsement which forms part of this CONTRACT), this CONTRACT does not provide coverage for land (including but not limited to land on which the covered EQUIPMENT is located), water or air, however and wherever occurring, or any interest or right therein. Seepage and/or pollution and/or contamination. Any loss, damage, cost or expense, or any increase in covered loss, damage, cost or expense, or any loss, damage, cost, expense, fine or penalty, which is incurred, sustained or imposed by order, direction, instruction or request of, or by an agreement with, any court, government agency or any public or military authority, or threat thereof, (and whether or not as a result of public or private litigation), which arises from any kind of seepage or any kind of pollution and/or contamination, or threat thereof, whether or not caused by or resulting from use of the covered EQUIPMENT, or from steps or measures taken in connection with the avoidance, prevention, abatement, mitigation, remediation, clean up or removal of such seepage or pollution and/or contamination or threat thereof. The term "any kind of seepage or any kind of pollution and/or contamination" as used herein includes (but is not limited to); Seepage of, or pollution and/or contamination by, anything, including but not limited to, any material designated as a "hazardous substance" by the United States Environmental Protection Agency or as "hazardous material" by the United States Department of Transportation, or defined as a "toxic substance" by the Canadian Environmental Protection Act, or any substance designated or defined as toxic, dangerous, hazardous or deleterious to persons or the environment under any other Federal, State, Provincial, Municipal, or other law, ordinance or regulation; and the presence, existence, or release of anything which endangers or threatens to endanger the health, safety or welfare of persons or the environment.
13. Replacement parts and repairs made by US pursuant to the CONTRACT coverage shall assume only the unused portion of this CONTRACT and not extend the stated CONTRACT period.
14. This CONTRACT does not cover any loss, damage, cost, claim, or expense, whether preventative, remedial or otherwise, directly or indirectly arising out of or relating to:
  - a: the calculation, comparison, differentiation, sequencing or processing of data involving the date change to the year 2000, or any other date change, including leap year calculations, by any computer system, hardware program, or software and/or any microchip, integrated circuit or similar device in computer equipment or non-computer equipment, whether the property of the CONTRACT HOLDER or not; or
  - b: any change, alteration, or modification involving the date change to the year 2000, or any other date change, including leap year calculations, to any such computer system, hardware, program or software and/or any microchip, integrated circuit or similar device in computer equipment or non-computer equipment, whether the property of the CONTRACT HOLDER or not. This clause applies regardless of any other clause or event that contributes concurrently or in any sequence to the loss, damage, cost, claim or expense.
15. Damage to a covered component that is caused by the failure of a non-covered component.
16. Minor adjustments.
17. Failure of a covered component that is due to wear.
18. This contract does not consider a machine's downtime with relation to parts availability or job completion deadlines.

## CONTRACT RESPONSIBILITIES, LIMITATIONS AND EXTENSIONS

### A. OUR RESPONSIBILITIES

WE agree to repair or replace any of the parts covered, if required due to a MECHANICAL BREAKDOWN or FAILURE; when the MECHANICAL BREAKDOWN or FAILURE is deemed to be covered under this warranty.

### B. YOUR RESPONSIBILITIES

To keep this CONTRACT valid, YOU must have YOUR EQUIPMENT serviced as recommended by the EQUIPMENT manufacturer. If requested, proof of required service showing date and service meter hours of the EQUIPMENT at the time of service must be presented to the ADMINISTRATOR during the time period in which a claim is being considered for payment. Failure to provide proof of service may terminate the service contract and result in the denial of the claim. Upon customary and reasonable notice of the occurrence of a MECHANICAL BREAKDOWN or FAILURE, YOU shall protect the EQUIPMENT from further damage, whether or not such MECHANICAL BREAKDOWN or FAILURE is covered by this CONTRACT. Any operation of the EQUIPMENT that results in further damage, related to the original MECHANICAL BREAKDOWN or FAILURE, shall be considered YOUR failure to protect the EQUIPMENT and shall not be covered under this CONTRACT. Upon submission of a claim YOU must provide all of the required information listed on the Doosan Infracore claim form. In addition you must provide a detailed and valid failure analysis related to the failure of the covered component related to the claim.

The ADMINISTRATOR must be notified of any proposed alterations or additions to the EQUIPMENT and of any proposed departure from ordinary working conditions and if any such modifications be made/or the maximum current or pressure at which the EQUIPMENT is designed to operate, or any lower maximum stipulated by the ADMINISTRATOR in writing be exceeded without the written consent of the ADMINISTRATOR, then in the event of BREAKDOWN, no coverage shall exist. If the ADMINISTRATOR cannot approve the proposed modification, the coverage may be terminated.

### C. CONTRACT PERIOD/TERRITORY

If this is a new EQUIPMENT CONTRACT, as outlined in the Declaration Section of this CONTRACT, the time and hour limits of the term selected start the day the EQUIPMENT Manufacturers Warranty starts and at zero (0) hours. Coverage expires when the length of time or accumulated hours (whichever occurs first) of the term selected is reached.

If this is a used EQUIPMENT CONTRACT, as outlined in the Declaration Section of this CONTRACT, the time and hour limits of the term selected start on the DATE ISSUED/EQUIPMENT DELIVERY DATE and from the hours on the service meter on that date. Coverage expires when the length of time of the term selected shown in the Declaration Section of this CONTRACT is reached or total hours on the EQUIPMENT is equal to the sum of the selected term hours plus stated hours on the EQUIPMENT at delivery date, whichever comes first. This CONTRACT applies only to a MECHANICAL BREAKDOWN or FAILURE occurring within the United States, Mexico and Canada.

#### **D. LIMITS OF LIABILITY**

Limit shall be limited to the reasonable price for repair or replacement of any covered part; not to exceed the equipment manufacturer's suggested retail price. The "Reasonable Price" for repair or replacement is based upon nationally recognized flat rate and/or factory manuals. Labor reimbursement will be based on the dealer's suggested list price for shop labor. The contract will only allow for a \$10.00 dollar differentiation between different labor classifications as they are related to the dealer's suggested list price for shop labor. Replacement may be made with parts of like kind and quality, when available. If any parts are found to be unprocureable, OUR liability shall be limited to the equipment manufacturer's suggested retail price thereon. In no event will the liability for each MECHANICAL BREAKDOWN or FAILURE, under this CONTRACT, exceed 20% of the original EQUIPMENT reported price Doosan Infracore used to compute the premium. Additionally, the total of all benefits payable shall never exceed 50% of the reported price Doosan Infracore used to compute the premium. The intent of this extended warranty is not to restore the product to a like-new condition, but rather to restore the product to its operating condition just prior to the extended warranty covered failure. All repairs must be performed by a manufacturer authorized repair facility. The repair facility that performs the repairs must warrant its work for a period no less than 6 months or 750 hours, starting from the date that the machine is put back into service, to be free of defects in material or poor workmanship.

#### **E. SUBROGATION**

YOU agree that WE, after honoring a claim on YOUR CONTRACT, have all rights of subrogation against those who may be responsible for YOUR MECHANICAL BREAKDOWN. YOU shall do whatever is necessary to secure such rights. YOU shall do nothing to prejudice such rights and YOU shall execute and deliver to US instruments and papers required either securing or maintaining such rights. All amounts recovered by YOU for which YOU were previously reimbursed under this CONTRACT shall become OUR property or the property of OUR designee and shall be forwarded to same by YOU, up to the total amount paid by US under this CONTRACT.

#### **F. ARBITRATION**

In the event of any dispute concerning the interpretation of the CONTRACT by Us and/or the ADMINISTRATOR, it shall be resolved by arbitration in accordance with the rules of the American Arbitration Association. YOU must first request arbitration from US or the ADMINISTRATOR in writing within sixty (60) days after YOU receive written notice that the dispute cannot be resolved. For claims arbitration, written demand must be made to either the ADMINISTRATOR or US within sixty (60) days of the claim denial. All arbitration proceedings must be held in New Jersey.

#### **G. TRANSFER OF THIS CONTRACT**

Contact US and submit the following:

1. This CONTRACT
2. Written evidence verifying all maintenance requirements have been met.
3. A copy of documentation evidencing change of ownership and service hours at date of sale.
4. Photocopies of documents sent to the manufacturer verifying transference of factory warranty, if applicable.

#### **Conditions**

1. This CONTRACT cannot be transferred to other EQUIPMENT. It can only be transferred to a different owner.
2. The EQUIPMENT is subject to inspection.
3. Transfer must take place within fifteen(15) days of change of ownership.
4. All remaining underlying warranties must be transferred to the new owner.
5. Failure to notify the ADMINISTRATOR of the transfer will void the remaining contract period.

#### **H. CANCELLATION**

This CONTRACT is noncancelable, except by the ADMINISTRATOR in the first sixty (60) days, should the EQUIPMENT not meet underwriting guidelines. In such a case, YOU will receive a full refund of the CONTRACT charge from US.

#### **IN CASE OF MECHANICAL BREAKDOWN OR FAILURE**

1. The repairing DEALER must give immediate notice of details of the MECHANICAL BREAKDOWN to the ADMINISTRATOR by submitting a claim within 45 days of the MECHANICAL BREAKDOWN. Failure to submit a claim within 45 days of the MECHANICAL BREAKDOWN will result in a 25% reduction in claim reimbursement consideration. Failure to submit a claim within 90 days of the MECHANICAL BREAKDOWN will result in the denial of the claim.
2. If the cost of repair is greater than one thousand (\$1000.00) dollars, the DEALER/MANUFACTURER and or YOU must, if requested, provide the ADMINISTRATOR with adequate photographic evidence of the affected parts, or preserve the parts affected, and make them available for inspection by the ADMINISTRATOR, or its representative. If the repair estimate exceeds two thousand (\$2,000.00) dollars, contact Doosan Infracore before proceeding with repairs. FAILURE to pre-notify could disqualify the claim.
3. The repairing DEALER/MANUFACTURER must submit a claim as per the Doosan claim guidelines and provide the ADMINISTRATOR with a Repair Order detailing the FAILURE and the repairs, along with such other explanations or evidence as may be reasonably required by the ADMINISTRATOR, including a statutory declaration verifying the contents of the Repair Order, other explanations or evidence. If WE ask YOU, YOU must allow the ADMINISTRATOR to inspect YOUR EQUIPMENT to gather necessary information regarding any claim. YOU may be required to supply the ADMINISTRATOR with all maintenance records for service performed on the EQUIPMENT.

**IF YOU HAVE A MECHANICAL BREAKDOWN OR FAILURE IT IS YOUR RESPONSIBILITY TO NOTIFY YOUR REPAIRING DEALER/MANUFACTURER, IT IS THEN THE RESPONSIBILITY OF THE DEALER TO NOTIFY THE ADMINISTRATOR:**

**Notify:**  
Doosan Infracore  
770-831-2200  
[www.infracore.com](http://www.infracore.com)

**Submit claims to:**  
Doosan Infracore  
Claims Department  
[www.infracore.com](http://www.infracore.com)

**Administered by:**  
Doosan Infracore  
2905 Shawnee Industrial Way  
Suwanee, Georgia 30024



# STATE EQUIPMENT, INC.

PO BOX 3939  
CHARLESTON WV 25339

PHONE: 304-776-4405  
FAX: 304-776-4409  
INFO@STATEEQUIPMENT.COM  
WWW.STATEEQUIPMENT.COM

Division of Highways  
Equipment Division  
Route 33  
Brush Fork Road  
Buckhannon, WV 26201

State Equipment, Inc. will conduct an Operators orientation and Machine maintenance seminar at the convenience of the West Virginia Division of Highways, Equipment Division, Buckhannon, WV.

Factory Representatives as well as personnel from State Equipment, Inc. will be conducting the seminar. Topics to be covered but not limited to are: Machine Operation, Daily and Scheduled Maintenance intervals and safety issues.

State Equipment, Inc. will work with the Division of Highways to put together a program that meets or exceeds the DOH requirements.

Sincerely,

Eddie Rowan, Jr.  
General Manager

State of West Virginia  
**VENDOR PREFERENCE CERTIFICATE**

Certification and application\* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. **Application is made for 5% resident vendor preference for the reason checked:**  
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: STATE EQUIPMENT, INC.

Signed: 

Date: 3/22/11

Title: GENERAL MANAGER



RFQ No. 7011EC16

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, Limited Liability Company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

**WITNESS THE FOLLOWING SIGNATURE**

Vendor's Name: STATE EQUIPMENT, INC.

Authorized Signature:  Date: 3/22/11

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 23<sup>rd</sup> day of March, 2011.

My Commission expires March 27, 2021

AFFIX SEAL HERE

NOTARY PUBLIC 