



## **Region 2000 Services Authority**

### **Invitation for Bids (IFB)**

**Region 2000 Services Authority Will Be Accepting Sealed Bid for a Certified Remanufactured High Density Landfill Compactor**

**Issue Date: July 8, 2018**

**Bids Due: July 31, 2018**

**(no later than 2:00 pm)**

**Sealed bids shall be clearly marked as Compactor Bid and should be addressed to:**

**Larry Hall**

**Region 2000 Services Authority**

**361 Livestock Road**

**Rustburg VA 24588**

**Bids will be opened and read aloud @ 2:00 pm**

**Bids received later than 2:00 pm 7/31/2018 will not be considered.**



**Customer: Concord Turnpike Regional Landfill**

**Specifications: Certified Remanufactured High Density Landfill Compactor**

**VENDOR INSTRUCTIONS**

**A. Vendor shall complete every space in the vendor’s column with a “yes” to indicate item being quoted is exactly as specified or a “no “ to indicate any deviation of item being bid from the specifications. Any “no” response or deviation shall be explained in spaces provided. Where certain brands “or equal” are specified, be sure to state the brand/model of option quoted. Any additions, deletions, or variations from the following specifications must be noted. Any items appearing in the manufacturers regularly published specifications and offered as standard equipment by the manufacturer are included in any submitted bid, unless otherwise expressly specified herein. Any additions, deletions or variations from the manufacturer’s regularly published specifications must be outlined in an attached letter, to provide the Authority with enough information to clearly evaluate that which is being offered. Failure to properly complete this column shall, at the sole discretion of the Authority, subject your bid to rejection.**

**B. The Authority reserves the right to utilize value engineering to determine the selection of the item most advantageous for its use and make an award in accordance with such provisions. There is no requirement to accept the lowest cost equipment offered and specific requirements may be waived or amended at the discretion of the Authority.**

# Section 1- Equipment Specifications

## 1.1 GENERAL DESCRIPTION

Certified remanufactured four wheel design high density landfill compactor with minimum operating weight of 105,000 lbs and 14 ft landfill blade. Compactor must meet the following minimum specifications as well as the listed remanufacturing process. **BID MUST INCLUDE TRADE-IN VALUE OF OUR 2010 ALJON 525 SER#**

### VENDORS COLUMN

## 1.2 ENGINE

- A. Diesel – Six (6) cylinder minimum, turbocharged, direct injection and after cooled, must meet EPA Tier 3 emissions Regs. \_\_\_\_\_
- B. Minimum 540 gross horsepower at rated RPM \_\_\_\_\_  
**State Gross HP:** \_\_\_\_\_
- C. Air pre-cleaner Air filter shall be 2-stage dry type \_\_\_\_\_
- D. Oil cooler and oil filter \_\_\_\_\_
- E. 24 volt electrical system, 95 amp alternator and maintenance free heavy duty 925 CCA batteries. \_\_\_\_\_
- F. Lockable master disconnect switch with ground level access. \_\_\_\_\_
- G. Spin-on replaceable oil and fuel filters \_\_\_\_\_
- H. Muffler with rain cap or turned exhaust \_\_\_\_\_  
Specify Type \_\_\_\_\_
- I. Engine block heater- 1500 W \_\_\_\_\_
- J. Cold weather starting aid \_\_\_\_\_  
State type: \_\_\_\_\_
- K. Fuel priming pump \_\_\_\_\_
- L. Trash resistant heavy duty radiator-Fin and tube type \_\_\_\_\_
- M. Automatic engine shutdown for low engine oil pressure and high coolant temperature \_\_\_\_\_
- N. Heavy duty cooling system, with auto reverse fan designed for landfill operations \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**1.3 Transmission**

- A. Electronically-controlled hydrostatic drive system \_\_\_\_\_
- B. Unit must be capable of directional changes at full engine speed  
without deceleration \_\_\_\_\_
- C. Minimum (4) forward and (4) reverse speeds \_\_\_\_\_
- D. Equipped with planetary reduction final drives, \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**1.4 Axles, Differentials and Final Drives**

- A. Heavy duty floating axle's \_\_\_\_\_
- B. Front and rear no-spin differential \_\_\_\_\_
- C. Four wheel drive \_\_\_\_\_
- D. Planetary reduction each wheel \_\_\_\_\_
- E. Protective guards to prevent debris from damaging seals,  
gaskets, supports, fittings and all related parts. \_\_\_\_\_
- F. Permanently lubricated maintenance-free U joints \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**1.5 Brakes**

- A. OSHA-approved all-wheel hydrodynamic braking \_\_\_\_\_
- B. Spring applied, hydraulically released secondary/ parking brake \_\_\_\_\_
- C. Self adjusting \_\_\_\_\_
- D. Protective guards to prevent debris from entering hubs \_\_\_\_\_
- E. Protective guards to prevent damage to lines- lines run  
Internally to reduce potential damage. \_\_\_\_\_
- F. Low fluid indicator \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**1.6 WHEELS**

A. Four wheel design, minimum wheel width 48" \_\_\_\_\_

B. All wheels must be the same size to permit front to rear rotation for extended tip life. \_\_\_\_\_

C. Minimum 1.5" outer drum thickness  
Minimum of 28 cleats no less than 7 inches in length per wheel \_\_\_\_\_

E. Wheels to be self-cleaning without the use of cleaner bars \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**1.7 STEERING**

A. Center point, frame articulated steering, minimum articulation +/- 35 degrees. \_\_\_\_\_

B. Adjustable joystick steering control \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**1.8 HYDRAULIC SYSTEM**

A. Closed loop, full filtered system with service indicators. \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**1.8 CAB**

A. Fully enclosed, 2-door, walk-through cab \_\_\_\_\_

B. ROPS/FOPS certified \_\_\_\_\_

C. Foot throttle/brake pedal \_\_\_\_\_

D. Throttle lock \_\_\_\_\_

E. Joystick steering and blade control \_\_\_\_\_

F. F-N-R and speed selection switches conveniently located \_\_\_\_\_

- G. Minimum 36,000 BTU air conditioning system. \_\_\_\_\_
- H. Minimum 30,000 BTU heat/defrost system. \_\_\_\_\_
- I. Two (2) exterior rearview mirrors \_\_\_\_\_
- J. Rear vision camera with full color cab-mounted monitor. \_\_\_\_\_
- K. Working lights outside minimum 4 forward and 2 reverse facing. \_\_\_\_\_
- L. Horn and backup alarm \_\_\_\_\_
- M. Adjustable air suspension seat with retractable seat belt. \_\_\_\_\_
- N. gauges for engine oil pressure, coolant temperature, fuel level and tachometer. \_\_\_\_\_
- O. LED display to monitor engine oil pressure, coolant temperature, Engine speed (rpm), engine % load, operating hours, battery voltage, Boost pressure and transmission oil temperature. \_\_\_\_\_
- P. AM/FM radio, CD player and speakers and antenna. \_\_\_\_\_
- Q. Front and rear windshield washer and wiper. \_\_\_\_\_
- R. Full safety glass all around/tinted. \_\_\_\_\_
- S. See-through protective guard over front windshield. \_\_\_\_\_
- T. Sound suppression system and sound level in cab not to Exceed 75dBa. \_\_\_\_\_
- U. Key ignition with safety start. \_\_\_\_\_
- V. 24V DC to 12V DC accessory connections in cab. \_\_\_\_\_
- W. 10 LB ABC rated fire extinguisher installed in cab. \_\_\_\_\_

Comments: \_\_\_\_\_

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**1.9 WEIGHT**

- A. Minimum operating weight 105,000 lbs with ROPS cab, blade, Coolant, lubricants, fuel and hydraulics- **excludes wheel ballasting** \_\_\_\_\_  
State operating weight: \_\_\_\_\_

Comments: \_\_\_\_\_

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**1.10 REFUSE BLADE**

- A. Straight landfill blade, minimum 14ft in width and 75in in height including full-width see-through trash screen. \_\_\_\_\_  
State size of blade: \_\_\_\_\_
- B. Bolt-on reversible cutting edges and replaceable end bits. \_\_\_\_\_
- C. Shall be able to spread both refuse and cover material. \_\_\_\_\_
- D. Adjustable joystick control lever with raise, lower and float positions \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**1.11 ACCESSORIES**

- A. Guards shall be provided for engine, power train, front and rear axles, Radiator, hydraulic tank and steering cylinders to protect all vital areas From damage caused by refuse debris, snow, ice and mud. \_\_\_\_\_
- B. Engine and power train guards (belly pans) shall be electrically Activated to lower and raise for access and cleaning. \_\_\_\_\_
- C. Chain attached fuel cap. \_\_\_\_\_
- D. Automatic central lubrication. \_\_\_\_\_
- E. Rear draw bar hitch pin or tow points. \_\_\_\_\_
- F. Anti-vandalism protection with common key for engine oil dipstick, And filler spout compartment, cab and engine starting. \_\_\_\_\_
- G. Filler lock caps on hydraulic tank, fuel tank and radiator. \_\_\_\_\_
- H. Back-up alarm. \_\_\_\_\_
- I. State capacities in gallons for:
  - Fuel: \_\_\_\_\_
  - Engine Oil: \_\_\_\_\_
  - Hydraulic Oil: \_\_\_\_\_

Comments \_\_\_\_\_

**1.12 Certified Remanufacturing Process Minimum Requirement**

**General Description**

All components of the compactor shall be reinstalled with new, rebuilt or inspected parts that meet or exceed Original Equipment Manufacturer (OEM) specifications. **Vendor must be Factory Authorized Certified Remanufacturer.**

Please verify Factory Authorization: \_\_\_\_\_

**A. Disassembly**

The compactor shall be completely dismantled to the bare frame chassis.

- 1. Remove the engine, pump drive gear box, hydraulic pumps and motors, final drives, cooling package, cab, hydraulic cylinders, valves, hydraulic hoses and electrical wiring harnesses. **All hydraulic hoses and main wiring harness shall be discarded and replaced with new.**

**B. Chassis, Major weldments and guards**

- 1. The bare chassis shall be steam cleaned.

2. Sheet metal and frame shall be inspected for structural integrity then replaced or repaired to original OEM specifications including any updates.

3. The chassis and sheet metal shall be sand blasted, primed and two (2) coats of paint applied.

4. The rear axle and center pin shall be disassembled and replaced with new. Wear parts shall be replaced and shimmed to original OEM specifications.

5. The steering pins and bushings shall be replaced

6. The blade shall be refurbished and blade pins shall be installed.

7. The cutting edges shall be replaced

8. All handles/handrails/latches/hinges/springs shall be replaced or repaired.

### **C. Powertrain**

1. The Caterpillar engine shall be replaced with a CAT certified remanufactured engine.

2. The pump drive gear box, hydraulic pumps and motors and the final drives shall be rebuilt to original OEM specifications using only OEM parts and by certified technicians only.

3. All new filters (hydraulic and engine) and fluids shall be installed

### **D. Hydraulic Hoses and Electrical**

1. **ALL** hydraulic hoses shall be replaced with new hoses

2. **ALL** main electrical harnesses shall be replaced with new wiring, all other electrical components shall be inspected and replaced as required.

3. Hydraulic coolers shall be cleaned, pressured checked and replaced as required.

4. All hydraulic cylinders shall be disassembled inspected and resealed.

5. All valves shall be inspected and resealed

6. All gauges, electrical components, switches, lights, wipers etc. shall be inspected repaired and/or replaced as necessary.

### **E. Cab and Air Conditioner**



1. The cab shall be reconditioned to new or like new condition.
2. The Operator shall be replaced
3. A new floor matt shall be installed
4. All windows shall be removed and replaced if necessary
5. The Cab shall be sandblasted, Primed and repainted. The Cab interior shall be repainted.
6. The heater and Air conditioner shall be reconditioned

#### **F. Final Assembly**

1. The compactor shall be reassembled in the same assembly process as a new unit.
2. New decals shall be installed upon completion.
3. The compactor shall be inspected and test run at operating temperatures and operating conditions.
4. The compactor shall be calibrated, leak test and all pressures set to original OEM specifications.

**The vendor shall provide photo documentation of all stages of the remanufacturing process.**

**1.12 WARRANTY**

Machine shall come with a six (6) month unlimited hours full machine warranty and a three (3) year 6,000 hour power train warranty.

Please provide the vendor who will perform all warranty related repairs/service.

Name: \_\_\_\_\_

Location: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**1.13 DELIVERY**

A. The machine is to be delivered to 361 Livestock Road Rustburg Va. 24588 during normal working hours fully assembled and ready to operate. Vendor to give Services Authority (24) hours notice prior to delivery. Any transportation surcharge including back hauling of the trade-in shall be included in the bid, otherwise the Authority will not be liable for any freight charges. Deliveries will be accepted Monday thru Friday, 7:00 am thru 3:00 PM except on official holidays. Call (434)455-6334 to arrange delivery. **Certificate of origin and original invoice shall accompany equipment upon delivery.** The equipment shall be checked for compliance with the specifications. If any deviation from the specifications, damage or improper dealer preparation exists, the invoice will not be approved for payment until all defects are corrected by the vendor.

B. Delivery shall not exceed 180 days \_\_\_\_\_

Comments: \_\_\_\_\_

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**1.14 MANUALS/TRAINING**

- A. Two (2) complete technical service/engine/electrical/powertrain/hydraulics manuals shall be furnished. \_\_\_\_\_
- B. Two (2) parts manuals shall be furnished. \_\_\_\_\_
- C. Two (2) operator manuals shall be furnished \_\_\_\_\_
- D. One (1) OEM parts list shall be furnished. \_\_\_\_\_
- E. Vendor shall provide a factory-trained service person to instruct Authority personnel in the operation, maintenance and repair of the equipment as follows:
  - 1) One (1) full day at time of delivery, to include actual field operation of the equipment.
  - 2) One (1) additional full day prior to expiration of the warranty period for on-site training and equipment trouble-shooting, at which time vendors shall provide a written statement of condition for all warranted items and schedule in-warranty maintenance as necessary. Date and time shall be mutually agreed upon by the Authority and the vendor. \_\_\_\_\_
- F. Training video for the operator maintenance, operation and safety shall be provided. \_\_\_\_\_

Comments: \_\_\_\_\_

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**1.15 PARTS SUPPLY AND AVAILABILITY**

- A. It is the objective of the Authority to purchase equipment for which parts that affect the safe and/or reliable operation of the equipment are readily available for ten (10) years. \_\_\_\_\_

Comments \_\_\_\_\_

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**1.16 Payment**

- A. Payment to be made within thirty (30) days after receipt of invoice. \_\_\_\_\_
- B. Invoices must be directed to: Region 2000 Services Authority, 361 Livestock Road Rustburg Va. 24588 . The Authority cannot be responsible for untimely payment as a result of misdirected invoices. \_\_\_\_\_
- C. No deposit or advance sums shall be paid. \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

**SECTION III – VENDOR PRICING AND SIGNATURE SHEET**

**3.1 Purchase Price**

A. Outright purchase price of Make & Model# \_\_\_\_\_ \$ \_\_\_\_\_

Trade in value of our 2010 Aljon 525 serial# \_\_\_\_\_ \$ \_\_\_\_\_

B. Delivery time frame in day's \_\_\_\_\_

**The undersigned, having carefully read and considered the vendor instructions and equipment specifications of the Invitation for Bid, does hereby offer to furnish the equipment specified for the purchase price quoted and certifies that they have the necessary physical and financial resources to provide the required service on the machine quoted in accordance with the terms specified and agreed to provide these services without any undue delays.**

**This Bid is valid for ninety (90) days from the date of its submission.**

By: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Please Print Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Title

\_\_\_\_\_  
City and State

\_\_\_\_\_  
Date

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
email