

**FORM A: BID**  
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF A ROLL-OFF CONTAINER TRUCK

2. Bidder

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Usual Business Name of Bidder as it appears on Invoice (if different from above)

\_\_\_\_\_  
Street

\_\_\_\_\_  
City

\_\_\_\_\_  
Province

\_\_\_\_\_  
Postal Code

\_\_\_\_\_  
Email Address of Bidder

\_\_\_\_\_  
Facsimile Number

(Mailing address if different)

\_\_\_\_\_  
Street or P.O. Box

\_\_\_\_\_  
City

\_\_\_\_\_  
Province

\_\_\_\_\_  
Postal Code

\_\_\_\_\_  
GST Registration Number (if applicable)

The Bidder is:

(Choose one)

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

\_\_\_\_\_  
Contact Person

\_\_\_\_\_  
Title

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Facsimile Number

\_\_\_\_\_  
Email Address

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.

5. Offer The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work The Bidder agrees that no Work shall commence until he/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No.	_____	Dated	_____
	_____		_____
	_____		_____

9. Time This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures The Bidder or the Bidder's authorized official or officials have signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Signature of Bidder or  
Bidder's Authorized Official or Officials

\_\_\_\_\_  
\_\_\_\_\_  
(Print here name and official capacity of individual whose signature appears above)

\_\_\_\_\_  
\_\_\_\_\_  
(Print here name and official capacity of individual whose signature appears above)

**FORM B: PRICES**  
(See B9)

SUPPLY AND DELIVERY OF A ROLL-OFF CONTAINER TRUCK

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Roll-Off Container Truck	17002	Each	1	

\_\_\_\_\_  
Name of Bidder

## FORM N: DETAILED SPECIFICATIONS 17010

### ROLL-OFF CONTAINER TRUCK

#### **1.0 DESCRIPTION OF EQUIPMENT/APPLICATION**

- 1.1 These specifications describe a **Roll-Off Container Truck** and other equipment and features as specified herein. **The complete truck and body components must be compatible with the ANSI Z245.60 standard geometry for type H container - "dead lift roll-off". "Roll Off Container"** means a container that is designed to be loaded onto and unloaded from the frames of transport vehicles by mechanical means where the long rail of the container rides along the outside of the rail of the transport vehicle. A receiver on the lower front center of the container accepts the knuckle of the transport vehicle (a Type H container according to ANSI Z245.60 – 2008);
- 1.2 The **Roll-Off Container Trucks** shall be new 2017 model year or newer.
- 1.3 The **Roll-Off Container Trucks** and all other items/components shall be the manufacturer's latest model. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated and attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.

#### **2.0 OTHER SPECIFICATIONS AND STANDARDS**

- 2.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 2.2 The **Roll-Off Container Truck** shall comply with the applicable regulations:
- Highway Traffic Act
  - Manitoba Motor Vehicle Act
  - Canadian Motor Vehicle Safety Standards, CMVSS Transport Canada
  - National Safety Mark, NSM
  - Manitoba/Winnipeg Safety and Health Act, Parts 12, 22
  - Canadian Standards Association, CSA
  - Under Writers of Canada, U/L
  - Society of Automotive Engineers, SAE
  - City of Winnipeg Lighting Visibility Standard=<http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>.
- 2.3 It will be the responsibility of the Bidder to inform the City of any deficiencies in these specifications, for under this Contract the Contractor shall be held responsible for the design, performance, reliability and satisfactory operational function of the units.

#### **3.0 SERVICE FACILITY-**

- 3.1 For the purpose of warranty repairs, the supplier shall have an authorized service facility located within 10 kilometres of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Further to B9.1, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

3.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that the City of Winnipeg Repair Facility perform warranty work. Any Work performed by the City of Winnipeg Repair Facility shall be charged to the Contractor at the Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2017: \$98.00/hour and \$ 138.00/hour for overtime and callout).

3.3 **Location of the service facility located within 10 km of the boundaries of the City of Winnipeg.**

The Bidder shall choose and fill in **one (1)** of the Clauses listed below. --- **3.4) or 3.5)**

3.4 Bidder's own facility location. **State** the location of the service facility below.

3.5 Bidder elects to have warranty work be performed by the City of Winnipeg Repair Facility.

#### 4.0 **REFERENCES**

4.1 If available, please provide five (5) Canadian references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.

#### 5.0 **MAKE & MODEL**

5.1 **State** make and model of the Chassis and Roll-Off Container body being bid- \_\_\_\_\_

#### 6.0 **INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

6.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

6.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

6.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

#### 7.0 **PERFORMANCE RELIABILITY**

7.1 The responsibility for the design of the **Roll-Off Container Truck**, its performance and reliability shall rest upon the Contractor.

7.2 The term "repeated failures" as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the vehicle inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, of assembly. Minor items or ordinary service adjustments are not included, or considered under the scope of "repeated failures", as well as other factors, such as operational damage due to accidents, misuse or lack of proper maintenance, service and lubrication attention by not following the manufacturer's preventative maintenance schedule.

7.3 Where the **Roll-Off Container Truck** develops “repeated failures” in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

7.4 The equipment shall be capable of consistent top performance in City of Winnipeg Environment. **Note: The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C)**

## 8.0 **FUEL**

8.1 The Roll-Off Container Truck must be fully fuelled upon delivery (**no exceptions**).

## 9.0 **QUALIFICATIONS OF MANUFACTURER & CONTRACTOR**

9.1 The manufacturer of the **Roll-Off Container Truck** shall have five (5) years continuous experience manufacturing **Roll-Off Container Trucks**.

9.2 The manufacturer shall have in effect a documented quality control program ensuring that the quality of materials and workmanship, including welding, conforms to the best standards and engineering practice of the industry.

9.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining **Roll-Off Container Trucks** of the type being offered.

## 10.0 **CHASSIS SPECIFICATIONS-**

**(CHASSIS MUST BE SUPPLIED FROM  
A LOCAL WINNIPEG DEALER  
CHASSIS PROVIDER)**

10.1 GVWR

The Roll Off Container Trucks shall not exceed the City of Winnipeg’s limit for gross vehicle weight, axle and tire loads

Note: The City of Winnipeg and the Province of Manitoba limits the gross vehicle weight and axle and tire loads to:

- Front axle (steering axle) – 7300 kg (16,094 lbs.).
- Rear axle (tandem axle) – 16 000 kg (35,274 lbs.).
- Tire load – 9 kilograms for each millimeter width of tire (approx. 500 lbs. per inch of tire width).

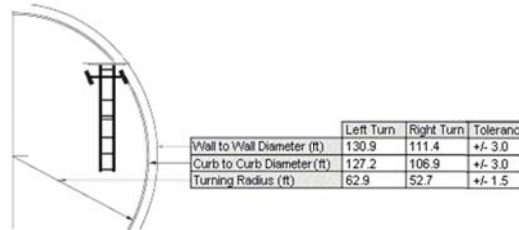
10.2 Weigh scale ticket

The Contractor shall provide a certified weigh scale ticket upon delivery of the completed unit. The scale ticket shall include front and rear axle weights including one (1) operator, and all attachments.

GVWR/Dimensions/Turning  
Radius

- GVWR Total- 58,000 lbs. As required for 50 cubic yard Roll-off container body
- GVWR Front- 18,000 lbs. As required for 50 cubic yard Roll-off container body
- GVWR Rear- 40,000 lbs. As required for 50 cubic yard Roll-off container body

- 10.3 Cab to Axle- As required for 50 cubic yard roll-off container body **state-** \_\_\_\_\_
- 10.4 Wheelbase- As required for 50 cubic yard roll-off container body **state-** \_\_\_\_\_
- 10.5 After-frame- **State** AF length- \_\_\_\_\_
- 10.6 Turning radius- Turning Radius- **State** the vehicle turning radius, wall to wall and curb to curb- \_\_\_\_\_



- a) Wall to Wall (ft)
- b) Curb to Curb(ft)-
- c) Turning Radius (ft)-
- 10.7 Engine Diesel, inline 6-cylinder \_\_\_\_\_
- 10.8 Horsepower 380-400 HP gross \_\_\_\_\_
- 10.9 Torque 1250 lbs. ft. torque \_\_\_\_\_
- 10.10 Engine shut down Low oil pressure / high water temperature \_\_\_\_\_
- 10.11 Air intake warmer Required \_\_\_\_\_
- 10.12 Fuel Shut-off Electric solenoid type \_\_\_\_\_
- 10.13 Air intake As per refuse landfill application \_\_\_\_\_
- 10.14 Air cleaner Dry type, suitable as per refuse landfill application \_\_\_\_\_
- 10.15 Air intake restriction Dash mounted restriction indicator \_\_\_\_\_
- 10.16 Oil drain plug Magnetic type \_\_\_\_\_
- 10.17 Oil filter Full flow, spin-on type \_\_\_\_\_
- 10.18 Fuel filter Spin-on type \_\_\_\_\_
- 10.19 Fuel/water separator Heated, drainable under hood \_\_\_\_\_
- 10.20 Fuel line primer pump Required \_\_\_\_\_
- 10.21 Block heater Immersion type, 1000 Watt with covered recessed male plug, located under driver's side door \_\_\_\_\_
- 10.22 Coolant Extended Life coolant, antifreeze to -35°F 37°C) \_\_\_\_\_
- 10.23 Coolant filter Required \_\_\_\_\_
- 10.24 Coolant hoses Silicone type or Gates Blue Stripe \_\_\_\_\_

10.25	Fan Drive	Thermostatically controlled, automatic type	_____
10.26	Air compressor	Water cooled, pressure lubricated, 18 cfm	_____
10.27	Electrical connector's	Plug-in, sealed type	_____
10.28	Alternator	145-160 Amp	_____
10.29	Starter	With over crank protect and thermal protection	_____
10.30	Circuit breakers	Auto-reset, readily accessible	_____
10.31	Batteries	Three (3), 12-volt, group 31, 2250 CCA combined,	_____
10.32	Battery Box	On Frame Back of Cab	_____
10.33	Battery disconnect	In-cab mounted outboard of driver's seat	_____
10.34	Battery boost terminal	Remote battery boosts terminal(s), protected from road spray, covered frame mounted on driver's side under hood.	_____
10.35	Cab marker lights	LED	_____
10.36	2-way radio circuit	Independent 20 Amp circuit, ignition powered, wired under dash loose, labelled	_____
10.37	Accessory switches	Three (3) required. All switches complete and wired for body installation, labeled and backlit	_____
10.38	Exhaust	Configuration as required for 50 cubic yard roll-off container	_____
10.39	Overall exhaust height	To clear body	_____
10.40	Heat shield	Required	_____
10.41	Transmission	Allison 3000 RDS with 6-speed programming, Ratio shall be as per inter-city roll off container application. Transmission shall come with load base Management Programming	_____
10.42	Shift selector	Digital push-button type, dash mounted	_____
10.43	Cooling capacity	Water to oil transmission cooler, as per manufacturer's recommendation for severe duty cycle	_____
10.44	Oil level dipstick	Bayonet type with high and low level markings	_____
10.45	Trans. drain plug	Magnetic type	_____
10.46	Front Axle	Set back axle, Meritor, 18,000 lbs. capacity	_____



10.47	Rear Axle	Meritor Super 40,000 lbs. capacity,	_____
10.48	Ratio	For 110 km/hr, also recommended for refuse landfill applications, state ratio-	_____
10.49	Inter-axle lock	Required w/dash mtd. switch	_____
10.50	Differential lock	Required for both drive axles w/dash mtd. Switch	_____
10.51	Hub Seals	Oil lubricated front and rear type	_____
10.52	Front Suspension	Multi-leaf spring suspension, 18,000 lbs. capacity	_____
10.53	Rear Suspension	Air ride suspension, 46,000 lbs. capacity, axle with lateral support beam, shall be as per recommendation from the body manufacture for the roll-off container application	_____
10.54	Suspension control valve	Manual dump valve for air suspension c/w dash mtd. switch, indicator light, gauge and buzzer	_____
10.55	Front Wheels	Aluminum, hub piloted, rated for requested GVWR	_____
10.56	Rear Wheels	Aluminum, hub piloted, rated for requested GVWR	_____
10.57	Front Tires	Rated for requested GVWR and application	_____
10.58	Rear Tires	Rated for requested GVWR and application	_____
10.59	Frame	Single rail as required for a 50 cubic yard roll-off container body and requested GVWR	_____
10.60	Chassis fasteners	Grade-8 threaded hex headed frame fasteners	_____
10.61	After-frame	As required for 50 cubic yard roll-off container body, <b>state-</b>	_____
10.62	Steering	Power, rated for front GVWR rating	_____
10.63	Brakes	Air, ABS, S-cam drum brakes, front & rear	_____
10.64	Slack adjusters	Meritor (clearance sensing), automatic type	_____
10.65	Parking brake	Spring set, four (4) chamber system	_____
10.66	Brake pots	Vented type	_____
10.67	Dust shields	Required, front and rear	_____

10.68	Moisture ejector	Wabco, heated, required in all air tanks	_____
10.69	Drain valves	Manual, chain or cable operated, required on each air tank	_____
10.70	Air dryer	Wabco Heated System Save 1200	_____
10.71	Fuel Tank	Single 227 litre fuel tank. Shall not exceed the back of the cab. Tank shall be fully fuelled upon delivery, <b>state</b> fuel capacity-	_____
10.72	Tank straps	Steel straps with 1/16 in. rubber or neoprene isolators to prevent galvanic corrosion	_____
10.73	Cab	Conventional w/corrosion inhibitor	_____
10.74	Cab Construction	Aluminum or galvanized steel construction	_____
10.75	Bumper to Back of Cab	BBC 110-117 in.	_____
10.76	Cab mounts	Air suspension	_____
10.77	Front grille	Stationary type	_____
10.78	Cab interior / trim	Extreme climate insulation including cloth or vinyl headliner on roof, door panels and rear interior of cab	_____
10.79	Cab silencer package	Required for minimal decibel level	_____
10.80	Hood/Firewall/Engine insulations	Insulated hood liner, engine cover and firewall	_____
10.81	Floor covering	Rubber mat with under-padding	_____
10.82	Floor mats	Two (2), rubber	_____
10.83	Driver's seat	High back, air suspension w/foldable armrests, heavy-duty cloth upholstery, Cordura or equal	_____
10.84	Passenger seat	High back, air suspension w/foldable armrests, heavy-duty cloth upholstery, Cordura or equal	_____
10.85	Sun visors	Dual flip-up type	_____
10.86	Steering wheel	Tilt and telescopic type	_____
10.87	12-Volt power outlet	(2) required with independent circuit	_____
10.88	Radio	Factory installed AM/FM/CD with "hand free" Blue Tooth capability	_____
10.89	Starter switch	Key operated c/w three (3) sets of keys	_____
10.90	Interior light	Dome light with driver and passenger door switches	_____

10.91	Heater / Defroster	High output, capable of keeping all windows clear at an outside temperature of (-40°C)	_____
10.92	Air conditioning	Required	_____
10.93	Brake, accelerator, pedals	Floor or hanging type brake and accelerator pedal, <b>state-</b>	_____
10.94	Horn	Dual electric	_____
10.95	Exterior mirrors	Mirrors heated, 4-way motorized adjustment (with convex mirrors), suitable for 102 in. equipment width	_____
10.96	Down-view mirror	Required over passenger door, 5" x 4" approx.	_____
10.97	Windows & windshield	Tinted	_____
10.98	Power windows	Required on driver and passenger side controls for both windows required on driver side	_____
10.99	Windshield wipers	Electric, intermittent	_____
10.100	Wiper blades	Heavy duty with winter type boot	_____
10.101	Windshield washers	Electric, required with spray nozzles on wiper Blades preferred	_____
10.102	Grab handles	Dual exterior	_____
10.103	Door Window	Lower right hand door with Fresnel lens	_____
10.104	Entrance steps	Dual each side, open grate / grip type	_____
10.105	Winter front	Heavy-duty vinyl w/twist lock or snap type fasteners	_____
10.106	Exterior Sun Visor	Required	_____
10.107	Strobe LED lights	Dual amber LED class I strobe lights with stainless brackets	_____
10.108	Instrumentation	Oil pressure gauge, Coolant temperature gauge, Transmission oil temperature gauge, Voltmeter gauge, Air reservoir pressure gauge with LAP warning light and buzzer, Low Oil Pressure High Water Temperature Warning light and buzzer and non-resettable type Engine hour-meter	_____
10.109	Tow Hooks	Front mounted and Rear mounted	_____
10.110	Weigh Scale Systems	Model Air Weigh scale system required for front and rear axles. System must be tested and calibrated prior to delivery.	_____
10.111	Exterior Colour	White	_____

10.112	Interior Colour	Grey	_____
10.113	Flare kit	Three (3) triangular reflectors, CVSA approved	_____
10.114	Fire Extinguisher	10 lbs. Fire Extinguisher ABC type, state location	_____
10.115	Tool Box	<b>State</b> dimensions, material, and recommended location as set by the manufacturer	_____
10.116	Back-up Camera	Required	_____
10.117	Auto Greasing System	Groeneveld Single Line EP0 Auto-greasing system Required	_____
<b>ROLL-OFF CONTAINER BODY SPECIFICATIONS</b>			
10.118	Roll-Off Container Body	Rail Length 26' (Suitable for 50 cubic yard bin roll- off container truck)	_____
10.119	Hoist Frame Rails	Frame rails must be 4" x 12" x 3/8" thick tubing. Thinner tubing rails are unacceptable.	_____
10.120	Top Rail	Top Rail Wear Strip: 5/16" x 3" x 8" (on top of rails)	_____
10.121	Hinge	Hinge Shaft: 2"	_____
10.122	Hinges	6" mechanical tubing	_____
10.123	Front Stopper	1 ½" thick (ANSI Z-245 compliant)	_____
10.124	Winch Cable	1" (25.4mm) diameter 6 x 26, 106,000 lbs. capacity. Smaller diameter cable is unacceptable.	_____
10.125	D-ring	D-ring or Bear Claw closed hook (ANSI Z-245 Compliant) required on the winch cable.	_____
10.126	Wear Pad	Nylatron or equivalent 5/8" x 2 ¼" x 15"	_____
10.127	Ground Roller	Must have Rear Ground Roller, 6 5/8" diameter x 20' long, must be bolted on and easily replaced if needed. Welded on roller assembly is unacceptable.	_____
10.128	Side Roller	4" with 2 ½" E-shaft, with lubrication point with Aluminum bronze bushing.	_____
10.129	Winch Sheaves	Two (2) 10" sheaves with 2" shaft. One (1) 8" sheave with 2" shaft	_____
10.130	Dump Angle	Approx. 47 degrees	_____

10.131	Hoist Length	To accommodate a 50 cu. yard Recycling Bin, <b>state-</b>	_____
10.132	Tarp Space	Space for Roll Tarp 12". Unit shall come with a hydraulically controlled tarp. Shall be equipped with the tarp	_____
10.133	Lift Cylinders	7 ¼" diameter with quick change shaver seals, which don't require cylinder removal to change must be installed.	_____
10.134	Reeving Cylinders	7 ¼" diameter with quick change shaver seals, which don't require cylinder removal to change must be installed.	_____
10.135	Paint & Preparation	Black (sandblasted, epoxy primer and two coats of Endura Paint Products or equivalent. Blast profile Min 2 Mills Max 3 mills. Primer wet film build 6-9 mills wet, Topcoat wet film builds 3-5 mills wet	_____
10.136	Inside Cab Controls	Air over hydraulic	_____
10.137	Outside Controls	Manual over hydraulic valve	_____
10.138	Hydraulic Tank	40 gallon (150 litres)	_____
10.139	Return Filter	10 microns, installed in the reservoir	_____
10.140	PTO	Direct on manual transmission, air clutch	_____
10.141	Pump / PTO	38 GPM @ 1200 RPM	_____
10.142	Pump Type	RPM (directly to PTO)	_____
10.143	Hydraulic Distribution	V-40 double action	_____
10.144	Safety Prop	Steel, street side	_____
10.145	Back-up Alarm	Back-up alarm activated when vehicle reverses	_____
10.146	Fenders	Galvanized steel or polyethylene	_____
10.147	Booster Brake Protector	Steel, 4" diameter steel tubing	_____

10.148	Electrical Compliance	FMWSS / CMVSS approved, wiring: 100% waterproof (SAE-5378). All body supplier installed wiring shall be numbered, colour coded, loomed, properly secured and protected from damage. All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing. All joining of wires shall be soldered and sealed using heat shrink tubing (crimp on electrical connectors for joining wires are not acceptable). All holes required for routing wiring shall be drilled (not punched), grommetted and sealed as required. All lighting shall be LED Truck Light, Grote or Whelen	_____
10.149	Window Screens	Two (2) expanded metal window screens to protect rear window of cab	_____
10.150	Work Lights	Two (2) Truck Lite 8140 work lights on cab protector with cab switch	_____
10.151	Weight Distribution	The completed units and all associated components shall not exceed the City of Winnipeg's limit for gross vehicle weight, axle and tire loads with the unit (including the chassis) fully fuelled and operational, one (1) operator, and including a full payload.	_____
10.152	All warranty information shall be detailed and include all exclusions. The successful bidder shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information.		_____
	•Basic Vehicle	One (1) year, unlimited km, <b>state-</b>	_____
	•Batteries	One (1) year, unlimited km <b>state-</b>	_____
	•Drivetrain	Two (2) years, unlimited km <b>state-</b>	_____
	•Cab structure/corrosion	Five (5) years, unlimited km <b>state-</b>	_____
	•Frame & Cross-members	Five (5) years, unlimited km <b>state-</b>	_____
	•Cab paint	One (1) year or 160,000 km <b>state-</b>	_____
	•Engine	Three (3) years or 240 000 km <b>state-</b>	_____
	•Transmission	Two (2) years, unlimited km <b>state-</b>	_____
	•Axles, front & rear-	Two (2) years or 161 000 km <b>state-</b>	_____
	•Body Warranty-	One (1) year unlimited km body warranty <b>state-</b>	_____

**11.0 DELIVERY**

11.1 Delivery Point: The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.I.V.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB. The successful bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order \_\_\_\_\_

11.2 Delivery Time: Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days no later than **August 15<sup>th</sup>, 2017**. \_\_\_\_\_

11.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. \_\_\_\_\_

11.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list \_\_\_\_\_

**12.0 MANUALS**

12.1 Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD or USB flash drive is preferred where available. \_\_\_\_\_

12.2 The following manuals shall be supplied with the units when delivered: \_\_\_\_\_

a) Operator's manual – Two (2) per unit (one operator manual shall be sent to the Equipment Operator Training Branch \_\_\_\_\_

b) Parts and service manuals – One (1) complete sets including preventative maintenance schedules. CDs or USB flash drive are preferred. \_\_\_\_\_

**13.0 FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

13.1 In order to assure minimum downtime of the equipment in future service, the Contractor shall provide one (1) complete replacement set of new OEM filters for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing. \_\_\_\_\_

13.2 The Contractor shall provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during preventative maintenance servicing. \_\_\_\_\_

**14.0 DISCOUNT FOR PARTS AND LABOUR**

14.1 **State** Parts and Labor discount- \_\_\_\_\_%

**15.0 ERGONOMICS**

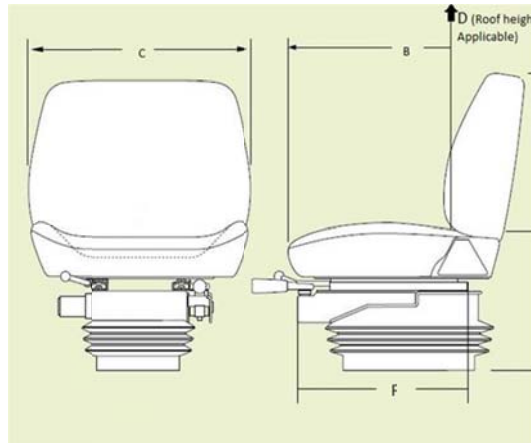
**Entry/ Exit**

15.1 First step entry height **State**, height of first step in inches \_\_\_\_\_

15.2 First handhold entry height **State**, first handhold entry height in inches \_\_\_\_\_

- 15.3 Access to equipment **State**, door opening height in inches \_\_\_\_\_
- 15.4 Access to equipment **State**, door opening width in inches \_\_\_\_\_
- 15.5 Designed to prevent slipping **Anti-slip steps/handholds (Y or N)?** \_\_\_\_\_

**Seat (use below diagram to answer questions)**



- 15.6 Sitting height range from floor (where feet rest) (A) **State**, seat height range in inches \_\_\_\_\_
- 15.7 Seat length/depth (B) **State**, seat length/depth in inches \_\_\_\_\_
- 15.8 Seat width (C) **State**, seat width in inches \_\_\_\_\_
- 15.9 Cab height from seat to roof (if applicable) (D) **State**, cab height range in inches \_\_\_\_\_
- 15.10 Back rest height (E) **State**, back rest height in inches \_\_\_\_\_
- 15.11 Seat travel range (F) **State**, seat travel in inches \_\_\_\_\_
- 15.12 Lumbar support **Is lumbar support provided (Y or N)?** \_\_\_\_\_
- 15.13 Head rest **Is head rest provided (Y or N)?** \_\_\_\_\_
- 15.14 Seat is made of breathable material **State**, type of seat material \_\_\_\_\_

**Operation**

- 15.15 a) Reaching distance to usual work **State**, reaching distance in inches \_\_\_\_\_
- 15.16 b) Maximum reaching distance **State**, maximum reach distance in inches \_\_\_\_\_
- 15.17 Adjustable pedals (accelerator/brake/clutch) **Are pedals adjustable (Y or N)?** \_\_\_\_\_
- 15.18 Adjustable steering wheel **Is steering wheel adjustable (Y or N)?** \_\_\_\_\_



15.19 Adjustable shoulder belt Is belt adjustable and anchored **(Y or N)**? \_\_\_\_\_

**Cargo Area**

15.20 Lid opens to provide adequate space Adequate space provided **(Y or N)**? \_\_\_\_\_

15.21 Loading height **State**, trunk height in inches \_\_\_\_\_

**Environment**

15.22 Operator compartment is insulated from equipment noise (while operating) **State**, dBA inside cab while operating \_\_\_\_\_

15.23 Operator insulated from equipment vibration Is operator insulated from vibration **(Y or N)**? \_\_\_\_\_

15.24 Heating/cooling systems **State**, cab temperature range \_\_\_\_\_

15.25 Cab lighting **State**, lumens inside cab \_\_\_\_\_

**Maintenance/  
Inspection**

15.26 Lift assistance provided (when necessary) Is lift assistance provided **(Y or N)**? \_\_\_\_\_

15.27 Easy access to compartment doors Is easy access provided **(Y or N)**? \_\_\_\_\_

15.28 Include any other relevant ergonomic specifications and applicable range of adjustment  
\_\_\_\_\_  
\_\_\_\_\_