

PART A

BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title SUPPLY & DELIVERY OF 40 AND 60 PTO H. P. AGRICULTURAL TRACTORS AND ATTACHMENTS

2. Bidder

Name of Bidder

Street

City Province Postal Code

(Mailing address if different)

Street or P.O. Box

City Province Postal Code

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

4. Definitions All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3 unless the context otherwise requires.

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 is in receipt of a Purchase Order 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 Submission.

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

In witness whereof 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 B8)

SUPPLY AND DELIVERY OF 40 AND 60 PTO H.P. AGRICULTURAL TRACTORS AND ATTACHMENTS

PLEASE NOTE: This contract will be awarded by section
 Bidders may bid on Section 1 , Section 2 or both sections in this table.
 Bidders are mandated to bid on all items within any chosen section in this table.

UNIT PRICES When entering prices into the table below, prices shall include Tire tax
 When entering prices into the table below, do not include
 Federal and Provincial Taxes (Goods and Services Tax (GST) and Manitoba Retail Sales
 Tax (PST)). These taxes shall be extra See Clause B8.1

SECTION 1 - 40 PTO H.P. AGRICULTURAL TRACTORS and ATTACHMENTS

ITEM(S) - 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8a , 8b

SPECIFICATION REFERENCE 04 - 041

ITEM	DESCRIPTION	UNIT	UNIT PRICE (enter a price for a quantity of one (1) only)	APPROX QUANTITY	EXTENDED AMOUNT (Unit Price X Quantity)
1	40 PTO HP , 2WD , Open station Agricultural Tractor with hydrostatic drive and <u>Agricultural Tires</u>	Each	\$ _____	3	\$ _____
2	40 PTO HP , 2WD , Open station Agricultural Tractor with hydrostatic drive and <u>Turf Tires</u>	Each	\$ _____	1	\$ _____
3	40 PTO HP , 4 X 4 , Open station Agricultural Tractor with hydrostatic drive and <u>Turf Tires</u>	Each	\$ _____	9	\$ _____
4	Parts and Service Manuals or Cd Rom, for 40 PTO H.P. 2WD Agricultural Tractors with open station	Each	\$ _____	4	\$ _____
5	Parts and Service Manuals or Cd Rom, for 40 PTO H.P. 4 X 4 Agricultural Tractors with open station	Each	\$ _____	4	\$ _____

SECTION 1 (cont'd) - 40 PTO H.P. AGRICULTURAL TRACTORS and ATTACHMENTS					
Item(s) - 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8a , 8b SPECIFICATION REFERENCE 04 - 041					
ITEM	DESCRIPTION	UNIT	UNIT PRICE (enter a price for a quantity of <u>one (1)</u> only)	APPROX QUANTITY	EXTENDED AMOUNT (Unit Price X Quantity)
6	<u>Option 1:</u> Rear Mounted Broom (only) - 72 " for Items 2 + 3	Each	\$ _____	7	\$ _____
7	<u>Option 2:</u> Finishing Mower (only) - 84" - Single deck for Item 3	Each	\$ _____	1	\$ _____
8a	<u>Option 3:</u> Front End Loader (only) - installed for Item 3 - mounted to unit for Item 8b	Each	\$ _____	1	\$ _____
8b	<u>Option 4:</u> Rear backhoe (only) - installed for Item 3 - mounted to unit for Item 8a	Each	\$ _____	1	\$ _____
TOTAL BID PRICE -- for SECTION 1 -- (in FIGURES)				\$ _____	
(in WORDS) _____ _____					

Form B: Prices (cont'd) (SEE B8)
SUPPLY AND DELIVERY OF 40 AND 60 PTO H.P. AGRICULTURAL TRACTORS AND ATTACHMENTS

SECTION 2 - 60 PTO H.P. AGRICULTURAL TRACTORS and ATTACHMENTS
 Item(s) - 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17 SPECIFICATION REFERENCE 04 - 042

ITEM	DESCRIPTION	UNIT	UNIT PRICE (enter a price for a quantity of one (1) only)	APPROX QUANTITY	EXTENDED AMOUNT (Unit Price X Quantity)
9	60 PTO HP , 4 x 4 , Open station Agricultural Tractor with synchronized trans and <u>Agricultural Tires</u>	Each	\$ _____	1	\$ _____
10	60 PTO HP , 4 x 4 , Factory Cab Agricultural Tractor with synchronized trans and <u>Agricultural Tires</u>	Each	\$ _____	3	\$ _____
11	60 PTO HP , 4 x 4 , Factory Cab Agricultural Tractor with synchronized trans and <u>Turf Tires</u>	Each	\$ _____	1	\$ _____
12	Parts and Service Manuals or Cd Rom, for Agricultural Tractors with <u>Factory Cabs</u>	Each	\$ _____	4	\$ _____
13	<u>Option 5:</u> 3rd Rear Auxiliary Control Valve (only) for Item 9	Each	\$ _____	1	\$ _____
14	<u>Option 6:</u> Rough Cut Mower (only) - 72" - Single deck for Item 9	Each	\$ _____	1	\$ _____
15	<u>Option 7:</u> Front Mounted Snowblower with all attachments and hoses (only) - 84 " for Item 10	Each	\$ _____	2	\$ _____
16	<u>Option 8:</u> Finishing Mower (Triplex) (only) - 180 " for Items 10 + 11	Each	\$ _____	3	\$ _____
17	<u>Option 9:</u> Rear Mounted Broom (only) - 84 " for Items 10 + 11	Each	\$ _____	4	\$ _____

TOTAL BID PRICE -- for SECTION 2 -- (in FIGURES)	\$ _____
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(in WORDS) _____

FORM N1 : DETAILED SPECIFICATIONS 04 ~ 041

40 PTO HP AGRICULTURAL TRACTOR

1.0 DESCRIPTION OF EQUIPMENT AND PERFORMANCE

- 1.1 These specifications describe the supply and delivery of a minimum **40 PTO H.P. (60 kW), Rubber Tired, Agricultural Tractor with a Hydrostatic Transmission** with equipment and features as specified herein.
- 1.2 The tractor and all other items/components shall be the manufacturer's latest models. The tractor shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the tractor (including attachments) in successful operation shall be furnished as though specifically mentioned in these specifications. The complete tractor 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.
- 1.3 Shall be capable of consistent top performance for ground, boulevard, walkway and parkland maintenance, snow removal work and other miscellaneous functions during the summer and winter environment which is normal to the City of Winnipeg.

2.0 ELIGIBLE MODELS

- 2.1 Shall be one of the following eligible manufacturer's models:
- Kabota L – 5030 HST** **John Deere 4320 eHydro**
- 2.2 The City will only accept equipment from the eligible manufactures outlined in Clause 2.1. In the event that the manufacturers cannot provide the exact models listed, the City will consider newer or upgraded models which have performance characteristics that equal or exceed the eligible models listed and meet the required specifications in this document.
- 2.3 In addition to qualification as an eligible model, bids must be responsive under the specification section of this contract.
- 2.4 State make and model of AGRICULTURAL TRACTOR being bid.
-

3.0 OTHER SPECIFICATIONS AND STANDARDS

- 3.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 3.2 The tractor and all its components shall comply with all C.M.V.S.S. and Manitoba Highway Traffic Act regulations and requirements.

4.0 SERVICE FACILITY

- 4.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km 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.

4.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that warranty work be performed by the City of Winnipeg Repair Facility. 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 2004: \$65.00/hour).

4.3 **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** of the Clauses listed below. --- 4.3 a) OR 4.3 b)

4.3. a) Bidder's own facility location. State the location of the service facility below.

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

5.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

5.1 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.

5.2 This contract is composed of two(2) sections. Bidders may bid on Section 1 , Section 2 or both sections. Bidders are required to bid on all items within any one section in this contract.

5.3 Each bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

6.0 DIMENSIONS & WEIGHTS (As Bid)

6.1 Operating weight (SAE) without attachments -
Approximately 3,500 lbs. (1,587 kg), state. _____

6.2 Overall width - state. _____

6.3 Wheelbase - state. _____

6.4 Ground clearance - 12 INCH (305 MM) minimum, state. _____

7.0 ENGINE

7.1 Type - diesel fuelled, direct injection, liquid cooled. _____

7.2 Engine – minimum four(4) cylinder. State displacement in cubic inches. _____

7.3 Net horsepower at PTO - minimum 40 hp (30 kW)., state. _____

7.4 Fuel shut-off - electric solenoid type. _____

7.5 Fuel filter and water separator. _____

7.6 Oil filter - full flow, spin-on type or cartridge type (preferred). _____

7.7 Air cleaner - dry cartridge type with restriction indicator. _____

7.8 Throttle - hand operated. _____

7.9 Exhaust – with muffler, horizontal discharge _____

7.10 Coolant - ethylene glycol based, protected to -35°C. _____

7.11 Engine coolant heater - immersion type, located within engine block. _____

7.12 Fully fuelled upon delivery _____

8.0 TRANSMISSION & PTO

8.1 Transmission – Hydrostatic with minimum three(3) ranges _____

8.2 PTO - rear mounted, independent, 540 rpm with shielded output shaft. _____

9.0 AXLES & BRAKES

9.1 Rear axle differential lock with heel pedal control. _____

9.2 Brakes - wet disk type with individual pedals for simultaneous or independent operation. _____

9.2. a) Parking brake - foot or hand operated. _____

10.0 HITCH

10.1 Hitch - rear mounted, 3-point adjustable to Category I. _____

10.1. a) Hydraulically controlled raise and lower _____

10.1. b) Adjustable stabilizer linkage - required to positively secure rear mounted attachments (check chains not acceptable). _____

10.2 Drawbar - state type. _____

11.0 HYDRAULIC SYSTEM

11.1 Hydraulic pump capacity - state maximum output. _____

11.2 **Single** Rear Auxiliary Control Valve – complete with two (2) spool, double acting, factory installed. _____

11.2. a) Controls located for convenient operation from operator station. _____

11.2. b) Quick Couplers - Pioneer hydraulic quick disconnect hose fittings c/w dust caps (connected to couplers), located at rear of tractor. _____

12.0 ELECTRICAL & LIGHTING

12.1 Type - 12-Volt, negative ground electrical system. _____

12.2 Starter - electric. _____

12.3 Starter switch required - keyed. _____

12.3. a) Three sets of keys. _____

12.4 Alternator - state output. _____

12.5 Combination stop and tail lights - two (2) required. _____

12.6 Signal lights with warning flashers - two (2), fender or ROPS mounted.
Note: Warning flashers shall be operable without key in ignition. _____

12.7 Headlights - two (2). _____

12.8 Rear work lights - two (2), adjustable, on an independent, dash-mounted switch, wired through ignition circuit.

12.9 Horn - required.

12.10 Warning beacon

12.10. a) Preco model 3614AD.

12.10. b) Roof mounted with ramped, bolt-on metal guard and dash mounted switch wired through ignition circuit. Location to be determined at a date after award before delivery.

12.10. c) Two beacons required.

12.11 Back-up alarm - Star model 62 - 097, mounted at rear of unit, located to be protected from damage.

12.12 Wiring for all locally installed equipment shall be colour coded, loomed and properly secured.

12.12. a) All joining of wires and all electrical connectors shall be soldered and sealed with heat shrink tubing.

13.0 COLOUR

13.1 Manufacturer's standard colour, state.

14.0 OPEN STATION (NO CAB)

14.1 Type

14.1. a) Isolated open station with flat floor or semi flat floor (straddle mount not acceptable).

14.1. b) Roll over protective structure complete with canopy, OSHA certified or equal.

14.2 Seat - cushioned bucket type with vinyl upholstery, mechanical or air suspension and seat belt.

14.2. a) Adjustable fore and aft.

14.2. b) Adjustable height

14.3 Steps - open grate type.

14.4 Toolbox - lockable.

14.5 Instrumentation:

14.5. a) Diagnostic Display – coded.

14.5. b) Speedometer

14.5. c) Tachometer.

14.5. d) Coolant temperature gauge or warning light or flasher or buzzer – State.

14.5. e) Oil pressure gauge or warning light or flasher or buzzer – State.

- 14.5. f) Ammeter/voltmeter or warning light or flasher or buzzer – State. _____
- 14.5. g) Hourmeter. _____
- 14.5. h) Fuel gauge. _____
- 14.6 Rubber floor covering - required throughout. _____
- 14.7 Noise level at operator station - 90 dB(A) maximum, state noise level. _____

15.0 ITEM 1 - (40 PTO HP) - TWO WHEEL DRIVE with AGRICULTURAL TIRES

- 15.1 Two wheel drive _____
- 15.2 Front tires – OEM with matching steel disk rims. _____
 - 15.2. a) Tread - F2 (rib type tread design). _____
- 15.3 Rear tires - OEM with matching steel disk rims. _____
 - 15.3. a) Tread - R1 (bar type tread design). _____
- 15.4 Spare tire & rim - one (1) front and one (1) rear, identical to tires and rims being bid. _____

16.0 ITEM 2 - (40 PTO HP) - TWO WHEEL DRIVE with TURF TIRES

- 16.1 Two wheel drive _____
- 16.2 Front tires – OEM with matching steel disk rims. _____
 - 16.2. a) Tread – R3 (turf type tread design). _____
- 16.3 Rear tires - OEM with matching steel disk rims. _____
 - 16.3. a) Tread – R3 (turf type tread design) _____
- 16.4 Spare tire & rim - one (1) front and one (1) rear, identical to tires and rims being bid. _____

17.0 ITEM 3 - (40 PTO HP) - FOUR WHEEL DRIVE with TURF TIRES

- 17.1 Four wheel drive capability
Front axle - mechanical driven type (4WD), shift on the fly.
Shift switch shall be actuated from driver's position. _____
- 17.2 Front tires – OEM with matching steel disk rims. _____
 - 17.2. a) Tread – R3 (turf type tread design). _____
- 17.3 Rear tires - OEM with matching steel disk rims. _____
 - 17.3. a) Tread – R3 (turf type tread design) _____
- 17.4 Spare tire & rim - one (1) front and one (1) rear, identical to tires and rims being bid. _____

- 18.0 OPTIONS**
- 1) Options shall be included with tractor only as indicated on FORM B: PRICES.
 - 2) All optional attachments shall come complete with OEM literature pertaining to the proper operation, maintenance and repair of the attachments.
 - 3) OEM literature on all optional attachments shall be included in the cost of the attachments on FORM B: PRICES.

OPTION 1 : REAR MOUNTED BROOM – (three point hitch)

- OP 1.1. Contractor to supply "Sweepster Brand Name" rear mounted broom. _____
- OP 1.2. Clearing width - 72 INCH nominal. State. _____
- OP 1.3. Gear box speed - 540 rpm. _____
- OP 1.4. Mount - Category I , 3-point hitch without offset mounting. _____
- OP 1.5. Hydraulically angled from operator's station. _____

OPTION 2 : FINISHING MOWER - SINGLE DECK - THREE BLADE

- OP 2.1. State make and model being bid. _____
- OP 2.2. Cutting width - 84 INCH nominal. State _____
- OP 2.3. Gear box speed - 540 rpm. _____
- OP 2.4. Hitch - heavy duty mount, state type. _____
- OP 2.5. Blades - min. three (3) steel blades. _____
- OP 2.6. Cutting height - 2 to 4 in., state range. _____
- OP 2.7. Rear discharge _____
- OP 2.8. Slip clutch protected drive line (shear bolt protected not acceptable) _____

OPTION 3 : FRONT END LOADER

- OP 3.1. State make and model being bid _____
 - 3.1 a) Shall be the manufacturer's OEM product
 - 3.1 b) Bucket
 - 3.1 b i) Shall have a nominal width, that shall slightly exceed the overall width the tractor measured across the rear tires. State width. _____
 - 3.1 b ii) Bucket quick attachment and removal without tools.
 - 3.1 b iii) Shall have a bolt on reversible double wear edge on bucket.
 - 3.1 c) Loader quick attachment and removal without tools. _____
 - 3.1 d) Manufacturer's standard colour, matching the tractor colour - State. _____
 - 3.1 e) Hood guard required. _____

3.1 f) State lift capacity to full height. _____

3.1 g) Mid dual selective control valve with single lever joystick for loader operation. _____

OPTION 4 : REAR BACKHOE _____

OP 4.1. State make and model being bid _____

4.1 a) Shall be the manufacturer's OEM product _____

4.1 b) Manufacturer's standard colour, matching the tractor colour - State. _____

4.1 c) State maximum digging depth. _____

4.1 d) State SAE dipperstick digging force. _____

4.1 e) State SAE bucket digging force. _____

19.0 TRAINING

19.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel.

The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator. The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.

Note: Pricing should be based on one (1) working days for maintenance personnel and one (1) working days for operating personnel. The first payment of the contract on the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator.

20.0 PERFORMANCE RELIABILITY

20.1 The responsibility for the design of the complete equipment, it's performance and reliability shall rest upon the Contractor. _____

20.2 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 equipment inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, or assembly.

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. _____

20.3 Where the equipment develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance. _____

21.0 WARRANTY

21.1 The Contractor shall warrant the **tractor**, and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within **two (2) years** from the date the equipment is put into service by the City of Winnipeg.

21.2 The Contractor shall warrant **all attachments**, and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within **one (1) year** from the date the equipment is put into service by the City of Winnipeg.

22.0 MANUALS

22.1 The following manuals shall be supplied with the unit when delivered. The manuals shall be in English and shall cover the complete machine including the engine and all related attachments.

22.2 Operator's manual - one (1) per unit.

22.3 Parts and service manuals or CD rom.

22.4 State whether parts and service information is in text manual or CD rom format.

FORM O: QUESTIONNAIRE 04 – 041

REFERENCE: DETAILED SPECIFICATIONS 04 ~ 041

1.0 STATE the delivery time of this section order that is within **ninety (90) calendar days** from the date of official notification of award of Contract. (See D5.1

SECTION 1 - (Items 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8a and 8b) **days.**

2.0 LIST any significant features that will be supplied standard on the unit being offered, but were not specifically mentioned in the Detailed Specifications:

3.0 LIST three current users of the offered type of equipment:

5.0 STATE the location and percentage of parts stocked in Winnipeg:

5.1 STATE the delivery time for parts not stocked in Winnipeg:_____

6.0 DOES the equipment being offered meet or exceed the minimum requirements of the Detailed Specifications?

7.0 LIST any deviations that might be considered less than equal to the Detailed Specifications:

FORM N2 : DETAILED SPECIFICATIONS 04 ~ 042

60 PTO HP AGRICULTURAL TRACTOR

1.0 DESCRIPTION OF EQUIPMENT AND PERFORMANCE

- 1.1 These specifications describe the supply and delivery of a minimum **60 PTO H.P. (90 kW), Rubber Tired, Agricultural Tractor with a full synchronized transmission** with equipment and features as specified herein.
- 1.2 The tractor and all other items/components shall be the manufacturer's latest models. The tractor shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the tractor (including attachments) in successful operation shall be furnished as though specifically mentioned in these specifications. The complete tractor 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.
- 1.3 Shall be capable of consistent top performance for ground, boulevard, walkway and parkland maintenance, snow removal work and other miscellaneous functions during the summer and winter environment which is normal to the City of Winnipeg.

2.0 ELIGIBLE MODELS

- 2.1 Shall be one of the following eligible manufacturer's models:

New Holland TN – 75

Kabota M 6800

John Deere 5425

Case JX 1075 - C

Challenger MT 425 – B

Massey Ferguson 5435

- 2.2 The City will only accept equipment from the eligible manufactures outlined in Clause 2.1. In the event that the manufacturers cannot provide the exact models listed, the City will consider newer or upgraded models which have performance characteristics that equal or exceed the eligible models listed and meet the required specifications in this document.
- 2.3 In addition to qualification as an eligible model, bids must be responsive under the specification section of this contract.
- 2.4 State make and model of AGRICULTURAL TRACTOR being bid.
-

3.0 OTHER SPECIFICATIONS AND STANDARDS

- 3.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 3.2 The tractor and all its components shall comply with all C.M.V.S.S. and Manitoba Highway Traffic Act regulations and requirements

4.0 SERVICE FACILITY

- 4.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km 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.

4.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that warranty work be performed by the City of Winnipeg Repair Facility. 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 2004: \$65.00/hour).

4.3 **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 of the Clauses listed below. --- 4.3 a) OR 4.3 b)

4.3. a) Bidder's own facility location. State the location of the service facility below.

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

5.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

5.1 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.

5.2 This contract is composed of two(2) sections. Bidders may bid on Section 1 , Section 2 or both sections. Bidders are required to bid on all items within any one section in this contract.

5.3 Each bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

6.0 DIMENSIONS & WEIGHTS (As Bid)

6.1 Operating weight (SAE) without attachments - approx. 6,000 lbs. (2,722 kg), state.

6.2 Overall width - state.

6.3 Wheelbase - state.

6.4 Ground clearance - 12 inch (305 mm) minimum, state.

7.0 ENGINE

7.1 Type - diesel fuelled, direct injection, liquid cooled.

7.2 Engine – minimum four(4) cylinder. State displacement in cubic inches.

7.3 Net horsepower at PTO – minimum 60 hp (45 kW), state.

7.4 Fuel shut-off - electric solenoid type.

7.5 Fuel filter and water separator.

7.6 Oil filter - full flow, spin-on type or cartridge type (preferred).

7.7 Air cleaner - dry cartridge type with restriction indicator.

7.8 Throttle - hand operated with foot override.

7.9 Exhaust - mufflered, vertical discharge with bend and 40° cut-off (rain cap unacceptable).

7.10 Coolant - ethylene glycol based, protected to -35°C. _____

7.11 Engine coolant heater - immersion type, located within engine block. _____

7.12 Fully fuelled upon delivery. _____

8.0 TRANSMISSION & PTO

8.1 SYNCHRONIZED TRANSMISSION

8.1. a) To have the following operational characteristics:

8.1. a i.) Shift "On the Fly". _____

8.1. a ii.) Do not have to stop the tractor between shifting gears. _____

8.1. a iii.) Tractor to be stopped between gear ranges. _____

8.1. b) Transmission Speeds,

8.1. b i.) Forward - 8 minimum. _____

8.1. b ii.) Reverse - 2 minimum. _____

8.2 CLUTCH

8.2. a) Hydraulically engaged PTO, (two stage clutch not acceptable). _____

8.3 PTO

8.3. a) Rear mounted, independent, 540 rpm with shielded output shaft. _____

9.0 FOUR(4) – WHEEL DRIVE

9.1 Four wheel drive capability
Front axle - mechanical driven type (4WD), with on/off electronic shift on the fly. Shift switch shall be actuated from driver's position. _____

10.0 AXLES & BRAKES

10.1 Rear axle differential lock with heel pedal control. _____

10.2 Brakes - wet disk type with individual pedals for simultaneous or independent operation. _____

10.2. a) Parking brake - foot or hand operated. _____

11.0 HITCH

11.1 Hitch - rear mounted, 3-point adjustable to Category 1 and 2. _____

11.1. a) Hydraulically controlled raise, lower and float. _____

11.1. b) Adjustable stabilizer linkage - required to positively secure rear mounted attachments (check chains not acceptable). _____

11.2 Drawbar - state type. _____

12.0 HYDRAULIC SYSTEM

12.1 Hydraulic pump capacity - state maximum output.

12.2 **Dual** Rear Auxiliary Control Valve - two (2) spool, double acting, factory installed.

12.2. a) Controls located for convenient operation from operator station. _____

12.2. b) Quick Couplers - Pioneer hydraulic quick disconnect hose fittings c/w dust caps (connected to couplers), located at rear of tractor. _____

13.0 ELECTRICAL & LIGHTING

13.1 Type - 12-Volt, negative ground electrical system.

13.2 Starter - electric.

13.3 Starter switch required - keyed.

13.3. a) Three sets of keys. _____

13.4 Alternator - state output.

13.5 Combination stop and tail lights - two (2) required. _____

13.6 Signal lights with warning flashers - two (2), fender mounted
Note: Warning flashers shall be operable without key in ignition. _____

13.7 Headlights - two (2). _____

13.8 Rear work lights - two (2), adjustable, on an independent, dash-mounted switch, wired through ignition circuit. _____

13.9 Horn - required. _____

13.10 Warning beacon. _____

13.10. a) Preco model 3614AD. _____

13.10. b) Roof mounted with ramped, bolt-on metal guard and dash mounted switch wired through ignition circuit. Location to be determined at a date after award and before delivery. _____

13.10. c) Two beacons required. _____

13.11 Back-up alarm - Star model 62 - 097, mounted at rear of unit, located to be protected from damage. _____

13.12 Wiring for all locally installed equipment shall be colour coded, loomed and properly secured. _____

13.12. a) All joining of wires and all electrical connectors shall be soldered and sealed with heat shrink tubing. _____

14.0 COLOUR

14.1 Manufacturer's standard colour, state. _____

15.0 ITEM 7 - (60 PTO HP) - 4 X 4 , OPEN STATION with AGRICULTURAL TIRES

15.1 Open Station Type

15.1. a) Isolated open station with flat floor or semi flat floor
(straddle mount not acceptable)

15.1. b) Roll over protective structure complete with canopy, OSHA certified
or equal.

15.2 Seat - cushioned bucket type with vinyl upholstery, mechanical or air
suspension and seat belt.

15.2. a) Adjustable fore and aft.

15.2. b) Adjustable height.

15.3 Steps - open grate type with a hand hold on each side of steps.

15.4 Toolbox - lockable.

15.5 Instrumentation:

15.5. a) Diagnostic Display – coded.

15.5. b) Speedometer

15.5. c) Tachometer

15.5. d) Coolant temperature gauge or warning light or flasher or buzzer –
State.

15.5. e) Oil pressure gauge or warning light or flasher or buzzer – State.

15.5. f) Ammeter/voltmeter or warning light or flasher or buzzer – State.

15.5. g) Hourmeter

15.5. h) Fuel gauge

15.6 Rubber floor covering - required throughout.

15.7 Noise level at operator station - 90 dB(A) maximum, state noise level.

15.8 Agricultural Tires

15.8. a) Front tires – OEM with matching steel disk rims.

15.8. a i.) Tread - R1 (bar type tread design).

15.8. b) Rear tires - OEM with matching steel disk rims.

15.8. b i.) Tread - R1 (bar type tread design).

15.8. c) Spare tire & rim - one (1) front and one (1) rear, identical to tires and
rims being bid.

16.0 ITEM 8 - (60 PTO HP) - 4 X 4 , FACTORY CAB with AGRICULTURAL TIRES

16.1 Factory Cab Type

16.1. a) Factory cab with flat floor or semi flat floor
(straddle mount not acceptable)

16.1. b) Roll over protective structure, OSHA certified or equal.

16.2 Seat - cushioned bucket type with cloth upholstery, mechanical or air suspension and seat belt.

16.2. a) Adjustable fore and aft.

16.2. b) Adjustable height

16.3 Steps - open grate type with a hand hold on each side of steps.

16.4 Toolbox - lockable.

16.5 Instrumentation:

16.5. a) Diagnostic Display – coded.

16.5. b) Speedometer

16.5. c) Tachometer.

16.5. d) Coolant temperature gauge or warning light or flasher or buzzer – State.

16.5. e) Oil pressure gauge or warning light or flasher or buzzer – State.

16.5. f) Ammeter/voltmeter or warning light or flasher or buzzer – State.

16.5. g) Hourmeter.

16.5. h) Fuel gauge

16.6 Rubber floor covering - required throughout.

16.7 Noise level at operator station - 90 dB(A) maximum, state noise level.

16.8 Windows - tinted safety glass with appropriate markings for all panes.

16.8. a) All windows shall be opening type where available.

16.9 Doors(s) - lockable with common key.

16.10 Interior rear view mirror.

16.11 Windshield wipers – minimum 2-speed, front and rear.

16.11. a) Windshield washer - front mounted.

16.12 Heater/defroster - heavy duty, hot water type with 2-speed fan.

16.12. a) Heater capacity - approx. 35,000 BTU.

16.12. b) Defroster - capable of keeping all windows clear.

16.13 Air conditioning – OEM required, under hood compressor driven.
(roof mounted not acceptable). _____

16.14 **Agricultural Tires** - supplied as per Clause 15.8

17.0 ITEM 9 - (60 PTO HP) - 4 X 4 , FACTORY CAB with TURF TIRES

17.1 **Factory Cab Type** - supplied as per Clauses 16.1 through to 16.13 _____

17.2 **Turf Tires**

17.2. a) Front tires – OEM with matching steel disk rims. _____

17.2. a i.) Tread – R3 (turf type tread design). _____

17.2. b) Rear tires - OEM with matching steel disk rims. _____

17.2. b i.) Tread – R3 (turf type tread design). _____

17.2. c) Spare tire & rim - one (1) front and one (1) rear, identical to tires and
rims being bid. _____

- 18.0 OPTIONS**
- 1) **Options shall be included with tractor only as indicated on FORM B: PRICES.**
 - 2) **All optional attachments shall come complete with OEM literature pertaining to the proper operation, maintenance and repair of the attachments.**
 - 3) **OEM literature on all optional attachments shall be included in the cost of the attachments on FORM B: PRICES.**

OPTION 5 : 3 RD REAR AUXILIARY CONTROL VALVE

OP 5.1. Rear valves totalling three(3) _____

OPTION 6 : ROUGH CUT MOWER

OP 6.1. State make and model being bid. _____

OP 6.2. Mower deck

6.2 a) One(1) - 8 GA. steel decks _____

6.2 b) Cutting width - 72 INCH nominal. State. _____

OP 6.3. Unit weight - 1,000 lbs. minimum, state. _____

OP 6.4. Gear box speed - 540 rpm. _____

OP 6.5. Mount - Category I or II , 3-point hitch without offset mounting. _____

OP 6.6. Tires

6.6 a) Single pivoting. _____

6.6 b) Puncture proof laminated, non pneumatic _____

OP 6.7. Blades - Two (2) steel blades, mounted to single round blade holder. _____

OP 6.8. Blade tip speed, minimum 17,000 FEET per minute, state _____

- OP 6.9. Cutting height - 2 to 8 in., state range. _____
- OP 6.10. Safety chain shields – front and rear. _____
- OP 6.11. Rear discharge _____
- OP 6.12. Slip clutch protected drive line (shear bolt protected not acceptable) _____

OPTION 7 : FRONT MOUNTED SNOWBLOWER

- OP 7.1. Contractor to supply "**Erskine Brand Name**" front mounted snowblower _____
- OP 7.2. Clearing width - 78 INCH nominal. State. _____
- OP 7.3. Gear box speed - 540 rpm. _____
- OP 7.4. PTO driven from rear of tractor _____
- OP 7.5. Hydraulic lift _____
- OP 7.6. Hydraulic chute rotation _____
- OP 7.7. Hydraulic deflector control _____
- OP 7.8. Front mounted snowblower to be come complete with all hoses and miscellaneous attachments and be ready for use. _____

OPTION 8 : FINISHING MOWER (TRIPLEX)

- OP 8.1. State make and model being bid. _____
- OP 8.2. Cutting width - 180 INCH nominal. State _____
- OP 8.3. Mower decks
 - 8.3 a) Three (3) - 8 GA. steel decks _____
 - 8.3 b) 65 INCHES width each min., state. _____
- OP 8.4. Transport width - 102 INCH approx., state. _____
- OP 8.5. Transport height - 90 INCH approx., state. _____
- OP 8.6. Transport length – 14 FT 6 INCHES approx., state. _____
- OP 8.7. Unit weight - 2,700 LBS approx., state. _____
- OP 8.8. Frame construction - heavy duty steel tubing. _____
- OP 8.9. Wing flex - 30° up, 15° down min.. _____
- OP 8.10. Deck overlap - 6 INCHES min., state. _____
- OP 8.11. Gear box speed - 540 rpm. _____
- OP 8.12. Hitch - heavy duty mount, state type. _____

OP 8.13. Tires

8.13 a) Transport tires – minimum 18 INCHES \times 9.5 INCHES approx., state size.

8.13 b) Deck tires - min. ten (10) pneumatic type tires, 10 INCHES \times 4.25 INCHES approx., state.

OP 8.14. Blades - min. three (3) steel blades per mower deck.

OP 8.15. Blade tip speed, minimum 18,000 FEET per minute, state

OP 8.16. Cutting height - 2 to 4 in., state range.

OP 8.17. Rear discharge

OP 8.18. Slip clutch protected drive line (shear bolt protected not acceptable)

OPTION 9 : REAR MOUNTED BROOM – (three point hitch)

OP 9.1. Contractor to supply "**Sweepster Brand Name**" rear mounted broom.

OP 9.2. Clearing width - 84 INCH nominal. State.

OP 9.3. Gear box speed - 540 rpm.

OP 9.4. Mount - Category I or II, 3-point hitch without offset mounting.

OP 9.5. Hydraulically angled from operator's station.

19.0 TRAINING

19.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel.

The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator. The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.

Note: Pricing should be based on one (1) working days for maintenance personnel and one (1) working days for operating personnel. The first payment of the contract on the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator.

20.0 PERFORMANCE RELIABILITY

20.1 The responsibility for the design of the complete equipment, it's performance and reliability shall rest upon the Contractor.

20.2 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 equipment inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, or assembly.

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.

20.3 Where the equipment develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

21.0 WARRANTY

21.1 The Contractor shall warrant the **tractor**, and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within **two (2) years** from the date the equipment is put into service by the City of Winnipeg.

21.2 The Contractor shall warrant **all attachments**, and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within **one (1) year** from the date the equipment is put into service by the City of Winnipeg.

22.0 MANUALS

22.1 The following manuals shall be supplied with the unit when delivered. The manuals shall be in English and shall cover the complete machine including the engine and all related attachments.

22.2 Operator's manual - one (1) per unit.

22.3 Parts and service manuals or CD rom.

22.4 State whether parts and service information is in text manual or CD rom format.

FORM O: QUESTIONNAIRE 04 – 042

REFERENCE: DETAILED SPECIFICATIONS 04 ~ 042

2.0 STATE the delivery time of this section order that is within **ninety (90) calendar days** from the date of official notification of award of Contract. (See **D5.1**)

SECTION 2 - (Items 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 and 17) **days.**

1.0 **STATE** the delivery of the complete order from the date of notification of award of contract:

2.0 **LIST** any significant features that will be supplied standard on the unit being offered, but were not specifically mentioned in the Detailed Specifications:

3.0 **LIST** three current users of the offered type of equipment:

5.0 **STATE** the location and percentage of parts stocked in Winnipeg:

5.1 **STATE** the delivery time for parts not stocked in Winnipeg:_____

6.0 **DOES** the equipment being offered meet or exceed the minimum requirements of the Detailed Specifications?

7.0 **LIST** any deviations that might be considered less than equal to the Detailed Specifications:
