

PART A
BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title

SUPPLY & DELIVERY OF 40 + 60 PTO HP
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 D3.1 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 & DELIVERY OF
40 + 60 PTO HP AGRICULTURAL TRACTORS AND ATTACHMENTS

OPTION PACKAGES — for 40 PTO HP — Agricultural Tractor

Option 40-OS.....Open Stationfor 40 PTO HP — Agricultural Tractor

Option 40-TTTurf Tires.....for 40 PTO HP — Agricultural Tractor

SECTION A — 40 PTO HP AG TRACTORS — Item(s) – 1

I T E M	DESCRIPTION	SPEC. REF.	UNIT PRICE	Q T Y	AMOUNT
1A	40 PTO HP, 4 X 4 — Agricultural Tractor , with <u>hydrostatic</u> transmission with options 40-OS and 40-TT	07 – 018	\$ _____	3	\$ _____
1B	Rear Ballast box – <u>detachable</u> – 5 cubic ft	07 – 018	\$ _____	3	\$ _____
1C	<u>Parts, Repair and Technical Service</u> <u>Manuals or Cd Rom,</u> for Item(s) — 1A and 1B	07 – 018	\$ _____	2	\$ _____

SECTION A – TOTAL BID PRICE (in figures)

\$ _____

(in words) – TOTAL BID PRICE (GST and PST extra)

Name of Bidder _____

Form B: Prices (see B8)
SUPPLY & DELIVERY OF
40 + 60 PTO HP AGRICULTURAL TRACTORS AND ATTACHMENTS

OPTION PACKAGES — for 60 PTO HP — Agricultural Tractor

- Option 60-OS..... Open Stationfor 60 PTO HP — Agricultural Tractor
 Option 60-FC..... Factory Cabfor 60 PTO HP — Agricultural Tractor
 Option 60-AT..... Agricultural Tiresfor 60 PTO HP — Agricultural Tractor
 Option 60-TT..... Turf Tires.....for 60 PTO HP — Agricultural Tractor

SECTION B — 60 PTO HP AG TRACTORS — Item(s) – 2 + 3 + 4

I T E M	DESCRIPTION	SPEC. REF.	UNIT PRICE	Q T Y	AMOUNT
2A	60 PTO HP, 4 X 4 — Agricultural Tractor , with <u>synchronized</u> transmission with options 60-OS and 60-AT	07 – 019	\$ _____	3	\$ _____
2B	Mower – <u>Rough Cut</u> – single deck – 72 inch	07 – 019	\$ _____	1	\$ _____
2C	Mower — <u>Flail — Rear</u> — 88 inch	07 – 019	\$ _____	2	\$ _____
2D	Mower — <u>Flail — Side</u> — 74 inch	07 – 019	\$ _____	2	\$ _____
2E	<u>Parts, Repair and Technical Service</u> <u>Manuals or Cd Rom,</u> for Item(s) — 2A , 2B , 2C and, 2D	07 – 019	\$ _____	2	\$ _____

SECTION B cont'd — Item(s) – 2 + 3 + 4					
I T E M	DESCRIPTION	SPEC. REF.	UNIT PRICE	Q T Y	AMOUNT
3A	60 PTO HP, 4 X 4 — Agricultural Tractor with <u>synchronized</u> transmission with options 60-FC and 60-AT	07 – 019	\$ _____	2	\$ _____
3B	<u>Front — Weight Package</u> totalling 790 pounds (approx) for Item 3A	07 – 019	\$ _____	2	\$ _____
3C	<u>3 RD — Rear Auxiliary Control Valve (only)</u> for Item 3A	07 – 019	\$ _____	2	\$ _____
3D	<u>Front Fenders</u> for Item 3A	07 – 019	\$ _____	2	\$ _____
3E	<u>Parts, Repair and Technical Service</u> <u>Manuals or Cd Rom,</u> for Item(s) — 3 A , 3B , 3C and 3D	07 – 019	\$ _____	2	\$ _____
4A	60 PTO HP, 4 X 4 — Agricultural Tractor with <u>synchronized</u> transmission with options 60-FC and 60-TT	07 – 019	\$ _____	3	\$ _____
4B	<u>Rear — Landscape Blade</u> approximately 1,000 LBS for Item 4A	07 – 019	\$ _____	1	\$ _____
SECTION B – TOTAL BID PRICE (in figures)					\$ _____
(in words) – TOTAL BID PRICE (GST and PST extra)					

Name of Bidder _____

FORM N1 : DETAILED SPECIFICATIONS 07 ~ 018

40 PTO HP AGRICULTURAL TRACTOR + ATTACHMENTS

1.0 DESCRIPTION OF EQUIPMENT AND PERFORMANCE

- 1.1 These specifications describe the supply and delivery of a
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 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 tractor and all its components shall comply with all C.M.V.S.S. and Manitoba Highway Traffic Act regulations and requirements.

3.0 SERVICE FACILITY

- 3.1 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.
- 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 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 2007: — \$80.00/hour regular time — \$105.00/hour overtime and call-out).
- 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** of the Clauses listed below. — **4.3 a) OR 4.3 b)**

- 3.3.1 Bidder's own facility location. State the location of the service facility below.

-
- 3.3.2 Bidder elects to have warranty work be performed by the City of
Winnipeg Repair Facility.
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4.0 ELIGIBLE MODELS — 40 PTO HP — AGRICULTURAL TRACTOR

4.1 Shall be one of the following eligible manufacturer’s models:

KUBOTA L – 5030 HST

JOHN DEERE4320 — eHydro

4.2 The City will only accept equipment from the eligible manufactures outlined in Clause 4.1.

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.

4.3 In addition to qualification as an eligible model, bids must be responsive under the specification section of this contract.

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 OPTION 40-OS OPEN STATION (no cab)..... for 40 PTO HP — AG TRACTOR

6.1 **Type — Open Station — 40 PTO HP — Ag Tractor**

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

6.1.2 Roll over protective structure OSHA certified or equal.

6.1.3 Canopy required — fibre glass or metal.

6.2 **Seat**

6.2.1 Cushioned bucket type with vinyl upholstery.

6.2.2 Suspension — Mechanical or air . State type of suspension.

6.2.3 Arm rests.

6.2.4 Seat belt.

6.2.5 Adjustable fore and aft.

6.2.6 Adjustable height

6.3 Steps - open grate type.

6.4 **Toolbox**

6.4.1 Toolbox to be OEM.

6.4.2 Attached to tractor.

6.5 Instrumentation:

- 6.5.1 Diagnostic Display – coded. _____
- 6.5.2 Speedometer or speed charts. State type. _____
- 6.5.3 Tachometer. _____
- 6.5.4 Coolant temperature gauge or warning light or flasher or buzzer – State. _____
- 6.5.5 Oil pressure gauge or warning light or flasher or buzzer – State. _____
- 6.5.6 Ammeter/voltmeter or warning light or flasher or buzzer – State. _____
- 6.5.7 Hourmeter. _____
- 6.5.8 Fuel gauge. _____
- 6.6 Rubber floor covering - required throughout. _____
- 6.7 Noise level at operator station - 90 dB(A) maximum, state noise level. _____

7.0 OPTION 40-TT TURF TIRES..... for 40 PTO HP — AG TRACTOR

7.1 TURF TIRES — for 40 PTO HP — Ag Tractor

- 7.1.1 Front tires – OEM with matching steel disk rims. _____
 - a) Tread – R3 (turf type tread design). _____
- 7.1.2 Rear tires - OEM with matching steel disk rims. _____
 - a) Tread – R3 (turf type tread design) _____

8.0 ITEM 1A AG TRACTOR..... 40 PTO HP OPTION(s) 40-OS + 40-TT

9.0 OPTION 40-OS _____

10.0 OPTION 40-TT _____

11.0 MAKE AND MODEL OF 40 PTO H.P. – AGRICULTURAL TRACTOR - OPEN STATION

- 11.1 State make and model of — 40 PTO H.P. – Agricultural Tractor — with — Open Station, being bid.
As specified in Clause(s) 12.0 to 20.0 — **(Specification 07 – 018)**



12.0 DIMENSIONS & WEIGHTS — 40 PTO HP — AGRICULTURAL TRACTOR(Specification 07 – 018)

- 12.1 Operating weight (SAE) without attachments
Approximately 3,500 lbs. (1,587 kg), state. _____
- 12.2 Overall width - state. _____
- 12.3 Wheelbase - state. _____
- 12.4 Ground clearance - 12 INCH (305 MM) minimum, state. _____

13.0 ENGINE

- 13.1 Type - diesel fuelled, liquid cooled, direct injection or indirect injection.
State whether direct or indirect injection. _____
- 13.2 Engine – minimum four(4) cylinder. State displacement in cubic inches. _____
- 13.3 Net horsepower at PTO - minimum 40 hp (30 kW) ., state. _____
- 13.4 Fuel shut-off - electric solenoid type. _____
- 13.5 Fuel filter and water separator. _____
- 13.6 Oil filter - full flow, spin-on type or cartridge type (preferred). _____
- 13.7 Air cleaner - dry cartridge type with restriction indicator. _____
- 13.8 Throttle - hand operated. _____
- 13.9 Exhaust – with muffler, horizontal discharge _____
- 13.10 Coolant - ethylene glycol based, protected to -35°C. _____
- 13.11 Engine coolant heater - immersion type, located within engine block. _____

14.0 TRANSMISSION & PTO

- 14.1 Transmission – Hydrostatic with minimum three(3) ranges _____
- 14.2 PTO - rear mounted, independent, 540 rpm with shielded output shaft. _____

15.0 FOUR WHEEL DRIVE CAPABILITY

Front axle - mechanical driven type (4WD),
with electronic or mechanical shift.
Shift switch shall be actuated from driver's position. _____

16.0 AXLES & BRAKES

- 16.1 Rear axle differential lock with heel pedal control. _____
- 16.2 Brakes - wet disk type with individual pedals for simultaneous or
independent operation. _____
 - 16.2.1 Parking brake - foot or hand operated. _____

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17.0 HITCH

17.1 Hitch — rear mounted, 3-point — adjustable to Category I.

17.1.1 Hydraulically controlled raise and lower

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

17.2 Drawbar - state type.

18.0 HYDRAULIC SYSTEM

18.1 Hydraulic pump capacity - state maximum output.

18.2 Rear Auxiliary Control valve or valves
with the ability to control two(2) completely separate functions,
factory installed.

18.2.1 Controls located for convenient operation from operator station.

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

19.0 ELECTRICAL & LIGHTING

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

19.2 Starter - electric.

19.3 Starter switch required - keyed.

19.3.1 Three sets of keys.

19.4 Alternator - state output.

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

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

19.7 Headlights - two (2).

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

19.9 Horn - required.

19.10 Warning beacon

19.10.1 Preco model 3614AD.

19.10.2 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.

19.10.3 Two beacons required.

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

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

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

20.0 COLOUR

20.1 Manufacturer's standard colour, state.

21.0 TRAINING

21.1 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.

22.0 PERFORMANCE RELIABILITY

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

22.2 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.

22.3 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.

23.0 WARRANTY

23.1 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.

23.2 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.

24.0 MANUALS

24.1 All manuals (operators and technical), shall be in English and shall cover the complete machine including the engine and all related attachments.

24.1.1 The following manuals shall be supplied with the unit when delivered.(all units)

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

25.0 ITEM 1B REAR BALLAST BOX (weight box).....for 40 PTO HP — AG TRACTOR

25.1 Rear Ballast Box (weight box).

25.1.1 Empty weight approximately 200 lbs.

25.2 Detachable.

25.3 Volume — approximately 5 cubic feet. State volume.

**26.0 ITEM 1C — PARTS REPAIR and TECHNICAL SERVICE MANUALS or CD ROM
for ITEM(s) - 1A and 1B**

26.1 Parts, Repair and Technical Service Manuals or CD Rom,
(separate Item — see FORM:B PRICES), for Item(s) 1A and 1B.

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

27.0 DELIVERY

27.1 The equipment shall be delivered within **forty-five (45) calendar days** from the date of official notification of award of Contract.

27.2 Fully fuelled upon delivery

FORM N2 : DETAILED SPECIFICATIONS 07 ~ 019

60 PTO HP AGRICULTURAL TRACTOR + ATTACHMENTS

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 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 tractor and all its components shall comply with all C.M.V.S.S. and Manitoba Highway Traffic Act regulations and requirements

3.0 SERVICE FACILITY

- 3.1 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.
- 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 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 2007: — \$80.00/hour regular time — \$105.00/hour overtime and call-out).

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

- 3.3.1 Bidder's own facility location. State the location of the service facility below.

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

4.0 ELIGIBLE MODELS — 60 PTO HP — AGRICULTURAL TRACTOR

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

KUBOTA M – 7040

JOHN DEERE 5425

NEW HOLLAND TN — 75

4.2 The City will only accept equipment from the eligible manufactures outlined in Clause 4.1. 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.

4.3 In addition to qualification as an eligible model, bids must be responsive under the specification section of this contract.

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 OPTION 60-OS OPEN STATION (no cab) for 60 PTO HP — AG TRACTOR
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6.1 **Type — Open Station — 60 PTO HP — Ag Tractor**

6.1.1 Isolated open station with flat floor or semi flat
(straddle mount not acceptable) _____

6.1.2 Roll over protective structure OSHA certified or equal. _____

6.1.3 Canopy required — fibre glass or metal. _____

6.2 **Seat**

6.2.1 Cushioned bucket type with vinyl upholstery. _____

6.2.2 Suspension — Mechanical or air. State type of suspension. _____

6.2.3 Arm rests. _____

6.2.4 Seat belt. _____

6.2.5 Adjustable fore and aft. _____

6.2.6 Adjustable height. _____

6.3 Steps - open grate type with grab handles. _____

6.4 Toolbox

6.4.1 Toolbox to be OEM. _____

6.4.2 Attached to tractor. _____

6.5 Instrumentation:

6.5.1 Diagnostic Display – coded. _____

6.5.2 Speedometer or speed charts. State type. _____

6.5.3 Tachometer _____

6.5.4 Coolant temperature gauge or warning light or flasher or buzzer – State. _____

6.5.5 Oil pressure gauge or warning light or flasher or buzzer – State. _____

6.5.6 Ammeter/voltmeter or warning light or flasher or buzzer – State. _____

6.5.7 Hourmeter _____

6.5.8 Fuel gauge _____

6.6 Rubber floor covering - required throughout. _____

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

7.0 OPTION 60-FC FACTORY CAB for 60 PTO HP — AG TRACTOR
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7.1 Type — Factory Cab — 60 PTO HP — Ag Tractor

7.1.1 Factory cab with flat floor or semi flat
(straddle mount not acceptable) _____

7.1.2 Roll over protective structure, OSHA certified or equal. _____

7.2 Seat

7.2.1 Cushioned bucket type with vinyl upholstery. _____

7.2.2 Suspension — Mechanical or air. State type of suspension. _____

7.2.3 Arm rests. _____

7.2.4 Seat belt. _____

7.2.5 Adjustable fore and aft. _____

7.2.6 Adjustable height. _____

7.3 Steps - open grate type with grab handles. _____

7.4 Toolbox

7.4.1 Toolbox to be OEM. _____

7.4.2 Attached to tractor. _____

7.5 Instrumentation:

- 7.5.1 Diagnostic Display – coded. _____
- 7.5.2 Speedometer or speed charts. State type. _____
- 7.5.3 Tachometer. _____
- 7.5.4 Coolant temperature gauge or warning light or flasher or buzzer – State. _____
- 7.5.5 Oil pressure gauge or warning light or flasher or buzzer – State. _____
- 7.5.6 Ammeter/voltmeter or warning light or flasher or buzzer – State. _____
- 7.5.7 Hourmeter. _____
- 7.5.8 Fuel gauge _____
- 7.6 Rubber floor covering - required throughout. _____
- 7.7 Noise level at operator station - 90 dB(A) maximum, state noise level. _____
- 7.8 Windows - tinted safety glass with appropriate markings for all panes. _____
 - 7.8.1 All windows shall be opening type where available. _____
- 7.9 Doors(s) - lockable with common key. _____
- 7.10 Interior rear view mirror. _____
- 7.11 Windshield wipers – minimum 2-speed, front and rear. _____
 - 7.11.1 Windshield washer - front mounted. _____
- 7.12 Heater/defroster - heavy duty, hot water type with 2-speed fan. _____
 - 7.12.1 Defroster - capable of keeping all windows clear. _____
- 7.13 Air conditioning – OEM required, under hood compressor driven (roof mounted not acceptable). _____

8.0 OPTION 60-AT AGRICULTURAL TIRES for 60 PTO HP — AG TRACTOR

8.1 AGRICULTURAL TIRES — for 60 PTO HP — Ag Tractor

- 8.1.1 Front tires – OEM with matching steel disk rims. _____
 - a) Tread - R1 (bar type tread design). _____
- 8.1.2 Rear tires - OEM with matching steel disk rims. _____
 - a) Tread - R1 (bar type tread design). _____
 - b) Rear tire size to be 16.9 X 30 _____

9.0 OPTION 60-TT TURF TIRES for 60 PTO HP — AG TRACTOR

9.1 TURF TIRES — for 60 PTO HP — Ag Tractor

9.1.1 Front tires – OEM with matching steel disk rims.

a) Tread – R3 (turf type tread design).

9.1.2 Rear tires - OEM with matching steel disk rims.

a) Tread – R3 (turf type tread design).

10.0 ITEM — 2AAG TRACTOR 60 PTO HPOPTION(s) 60-OS + 60-AT

11.0 OPTION 60-OS

12.0 OPTION 60-AT

13.0 MAKE AND MODEL OF 60 PTO H.P. – AGRICULTURAL TRACTOR — with OPEN STATION

13.1 State make and model of — 60 PTO H.P. – Agricultural Tractor — with — Open Station, being bid.
As specified in Clause(s) 14.0 to 22.0 — **(Specification 07 – 019)**

14.0 DIMENSIONS & WEIGHTS

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

14.2 Overall width - state.

14.3 Wheelbase - state.

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

15.0 ENGINE

15.1 Type - diesel fuelled, liquid cooled, direct injection or indirect injection.
State whether direct or indirect injection.

15.2 Engine – Four(4) cylinder or turbocharged three(3) cylinder.
State displacement in cubic inches.

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

15.4 Fuel shut-off - electric solenoid type.

15.5 Fuel filter and water separator.

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

15.7 Air cleaner - dry cartridge type with restriction indicator.

15.8 Throttle - hand operated with foot override.

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

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

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

16.0 TRANSMISSION & PTO

16.1 SYNCHRONIZED TRANSMISSION

16.1.1 To have the following operational characteristics:

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

b) Tractor to be stopped between gear ranges.

16.1.2 Transmission Speeds,

a) Forward - 8 minimum.

b) Reverse - 2 minimum.

16.2 CLUTCH

16.2.1 Hydraulically engaged PTO, (two stage clutch not acceptable).

16.3 PTO

16.3.1 Rear mounted, independent, 540 rpm with shielded output shaft.

17.0 FOUR(4) – WHEEL DRIVE

17.1 Four wheel drive capability

Front axle - mechanical driven type (4WD),
with electronic or mechanical shift.

Shift switch shall be actuated from driver's position.

18.0 AXLES & BRAKES

18.1 Rear axle differential lock with heel pedal control.

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

18.2.1 Parking brake - foot or hand operated.

19.0 HITCH

19.1 Hitch — rear mounted, 3-point — adjustable to Category **I** and **II**.
(Category **I** and **II** capabilities)

19.1.1 Hydraulically controlled raise, lower and float.

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

19.2 Drawbar - state type.

20.0 HYDRAULIC SYSTEM

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20.1 Hydraulic pump capacity - state maximum output. _____

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

20.2.1 Controls located for convenient operation from operator station. _____

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

21.0 ELECTRICAL & LIGHTING

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

21.2 Starter - electric. _____

21.3 Starter switch required - keyed. _____

21.3.1 Three sets of keys. _____

21.4 Alternator - state output. _____

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

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

21.7 Headlights - two (2). _____

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

21.9 Horn - required. _____

21.10 Warning beacon

21.10.1 Preco model 3614AD. _____

21.10.2 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. _____

21.10.3 Two beacons required. _____

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

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

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

22.0 COLOUR

22.1 Manufacturer's standard colour, state. _____

23.0 ITEM — 2B..... MOWER..... ROUGH CUT

23.1 State make and model of — ROUGH CUT MOWER, being bid.

23.2 ROUGH CUT MOWER — for 60 PTO HP — Ag Tractor

23.2.1 Mower deck

a) One(1) - 10 ga. steel decks _____

b) Cutting width - 72 inch nominal. State. _____

23.2.2 Unit weight - 750 lbs. minimum, state.

23.2.3 Gear box speed - 540 rpm. _____

23.2.4 Mount - Category **I** or **II** , 3-point hitch without offset mounting. _____

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

23.2.6 Cutting height - 2 to 8 in., state range. _____

23.2.7 Rough Cut Mower — Tires

a) Single pivoting. _____

b) Puncture proof laminated, non pneumatic _____

23.2.8 Safety chain shields – front and rear. _____

23.2.9 Rear discharge _____

23.2.10 Slip clutch protected drive line (shear bolt protected not acceptable) _____

24.0 ITEM — 2C..... FLAIL..... REAR

24.1 State make and model of — REAR — FLAIL MOWER, being bid.

24.2 REAR — FLAIL MOWER — for 60 PTO HP — Ag Tractor

24.2.1 Positioning — rear centered. _____

24.2.2 Cutting width – approximately 88 inch.
State cutting width. _____

a) 8 1/2 inch right hand offset. _____

24.2.3 Weight — 790 lbs minimum.
State weight. _____

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24.2.4 Gear box speed - 540 rpm. _____

24.2.5 Mount — Category **I** or **II**, 3-point hitch without offset mounting. _____

25.0 ITEM — 2D..... FLAIL..... SIDE

25.1 State make and model of — SIDE — FLAIL MOWER, being bid.

25.2 SIDE — FLAIL MOWER — for 60 PTO HP — Ag Tractor

25.2.1 Positioning — side _____

25.2.2 Cutting width – approximately 74 inch.
State cutting width. _____

25.2.3 Gear box speed - 540 rpm. _____

25.2.4 Mount — Category **I** or **II**, 3-point hitch without offset mounting. _____

25.2.5 Hydraulic System

a) Hydraulically driven with a piston pump system. _____

b) Side flail to be lifted with hydraulic cylinder, cables not accepted. _____

25.2.6 Hydraulic Tank

a) Capacity approximately 16 Gallon (Can).
State capacity. _____

26.0 REAR AND SIDE FLAIL MOWERS

26.1 Combined cutting width rear and side flail mowers
— approximately 12 feet. _____

26.1.1 State approximate for combined rear and side flail mowers. _____

26.2 Manufacturer of rear flail to be the same as side flail. _____

26.3 Cutting swath of rear and side flail mowers to overlap. _____

26.3.1 State overlap. _____

**28.0 ITEM — 2E.....PARTS REPAIR and TECHNICAL SERVICE MANUALS or CD ROM
for ITEM(s) — 2A , 2B , 2C and 2D**

28.1 Parts, Repair and Technical Service Manuals or CD Rom,
(**separate Item — see FORM:B PRICES**), for Item(s) 2A , 2B , 2C and 2D. _____

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

27.0 ITEM — 3A.....AG TRACTOR 60 PTO HPOPTION(s) 60-FC + 60-AT

28.0 OPTION 60-FC _____

29.0 OPTION 60-AT _____

30.0 MAKE AND MODEL OF 60 PTO H.P. – AGRICULTURAL TRACTOR — with FACTORY CAB

30.1 State make and model of — 60 PTO H.P. – Agricultural Tractor — with — Factory Cab, being bid.

As specified in Clause(s) 14.0 to 22.0 — (**Specification 07 – 019**)

31.0 ITEM — 3B..... FRONT WEIGHT PACKAGE.....for a.....for 60 PTO HP — AG TRACTOR

31.1 Front Weight Package

31.1.1 Weight Bracket Assembly
— for front of 60 — PTO HP ag tractor. _____

31.1.2 Retaining Pin. _____

31.1.3 Quick attach pin. _____

31.1.4 Weight(s) totalling a minimum of 790 pounds
to be used as a counterbalance _____

a) Weight(s) to be used as a counterbalance sufficient in size
to attach and operate a
rough cut mower – single deck– “Schulte” _____

32.0 ITEM — 3C..... 3 RD REAR AUXILIARY CONTROL VALVE

32.1 3 rd rear auxiliary control valve. _____

32.1.1 Rear valves totalling three(3) _____

33.0 ITEM — 3D..... FRONT FENDERS

33.1 Front Fenders — Required. _____

**29.0 ITEM — 3E.....PARTS REPAIR and TECHNICAL SERVICE MANUALS or CD ROM
for ITEM(s) — 3A**

29.1 Parts, Repair and Technical Service Manuals or CD Rom,
(separate Item — see FORM:B), for Item(s) — 3A , 3B , 3C , and 3D _____

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

34.0 ITEM — 4A.....AG TRACTOR 60 PTO HPOPTION(s) 60-FC + 60-TT

35.0 OPTION 60-FC _____

36.0 OPTION 60-TT _____

37.0 MAKE AND MODEL OF 60 PTO H.P. – AGRICULTURAL TRACTOR — with FACTORY CAB

37.1 State make and model of — 60 PTO H.P. – Agricultural Tractor — with — Factory Cab, being bid.
As specified in Clause(s) 14.0 to 22.0 — **(Specification 07 – 019)**

38.0 ITEM — 4B..... REAR LANDSCAPE BLADE.....for a.....for 60 PTO HP — AG TRACTOR

38.1 State make and model of — REAR — LANDSCAPE BLADE, being bid.

38.2 Rear Landscape Blade

38.2.1 Heavy duty. _____

38.2.2 Weight approximately 1,100 lbs. State weight. _____

38.2.3 Can be used for heavy grading or snow removal. _____

38.2.4 Reversible cutting edge. _____

38.3 Blade Positioning

38.3.1 Hydraulic tilt. _____

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38.3.2 Hydraulic angle

38.3.3 Hydraulic offset.

38.4 Category **II** hitch compatible.

38.5 Mouldboard Dimensions

38.5.1 Mouldboard thickness — approx 5/16 inches. State thickness.

38.5.2 Mouldboard height — approx 19 inches. State height

38.5.3 Mouldboard length

a) The mouldboard length must be approximately one(1) foot wider than the full width of the 60 PTO hp tractor.

— State full width of tractor.

— State full width of blade.

38.6 Tilt and Rotation Angles

38.6.1 Tilt — 0° - 15° up or down

38.6.2 Angle pivot — 360°

38.6.3 Angle forward — 0° - 45° each side.

38.6.4 Angle reverse — 0° - 45° each side.

39.0 TRAINING

39.1 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.

40.0 PERFORMANCE RELIABILITY

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

40.2 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.

40.3 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.

41.0 WARRANTY

41.1 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.

41.2 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.

42.0 MANUALS

42.1 All manuals (operators and technical), shall be in English and shall cover the complete machine including the engine and all related attachments.

42.1.1 The following manuals shall be supplied with the unit when delivered.(all units)

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

43.0 DELIVERY

43.1 The equipment shall be delivered within **forty-five (45) calendar days** from the date of official notification of award of Contract.

43.2 Fully fuelled upon delivery.
