

FORM N: DETAILED SPECIFICATIONS 22015

GAS POWERED 4X2 UTILITY VEHICLE

1. INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 1.1 All items in these specifications should be answered indicating compliance or non-compliance.
- 1.2 **Bidder shall state “yes” for compliance or state “deviation”**, or give a reply where requested to do so. Deviations and/or equivalents shall be clearly stated and fully detailed. Deviations and/or equivalents will be considered subject to evaluation. In every instance where a brand name or design specifications is used, the City will also consider deviations and/or equivalents.
- 1.3 Lengthy explanations of deviations may be included in a separate document and must reference the appropriate Detailed Specification.
- 1.4 Each Proponent is required to fill in every blank. Failure to do so may be used as a basis for rejection of bid.
- 1.5 It will be the responsibility of the Proponent to inform the City of any errors or omissions in these Detailed Specifications, for under this Contract, the Contractor shall be held responsible to ensure that the manufacturer will be responsible for the design, performance, reliability and satisfactory operational function of the unit.

2. DESCRIPTION OF EQUIPMENT

- 2.1 These specifications describe **Gas Powered 4x2 Utility Vehicle** and other equipment and features as specified herein.
- 2.2 The **Gas Powered 4x2 Utility Vehicle** shall be a new **2022** model year or newer.
- 2.3 The **Gas Powered 4x2 Utility Vehicle** 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 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.
- 2.4 The ratings specified herein merely state the minimum values acceptable to the City, not implying that those values are sufficient for the design of the particular equipment being bid.

3. OTHER SPECIFICATIONS AND STANDARDS

- 3.1 All applicable SAE Standards form an integral part of the vehicle specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 3.2 Where applicable, the **Gas Powered 4x2 Utility Vehicle** shall comply with the applicable regulations:

Transport Canada, National Safety Mark, NSM:

<http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm>

Manitoba Safety and Health Regulation, Parts 12, 16, 22:

https://www.gov.mb.ca/labour/safety/pdf/1_2016_wsh_ar_oc.pdf

Canadian Motor Vehicle Safety Standards C.M.V.S.S.

[Motor Vehicle Safety Regulations \(justice.gc.ca\)](http://www.justice.gc.ca/motor-vehicle-safety-regulations)

Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker.

<http://web2.gov.mb.ca/laws/regs/index.php?act=h60>

Canadian Standards Association, CSA:

<http://www.csagroup.org/>

Under Writers of Canada, U/L:
[Underwriters Laboratories of Canada \(ULC\)](#)
Society of Automotive Engineers, SAE:
<http://www.sae.org/>
City of Winnipeg Lighting Visibility Standard:
<http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>
Manitoba Building Code:
https://web2.gov.mb.ca/laws/regs/current/_pdf-regs.php?reg=31/2011

4. FUEL

4.1 The equipment shall be fully fuelled upon delivery (no exceptions).

5. REFERENCES

5.1 Provide five (5) references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.

6. MAKE & MODEL

6.1 State year, make and model being bid:

Model Year: _____
Make: _____
Model: _____

7. PERFORMANCE RELIABILITY

- 7.1 The responsibility for the design of the **Gas Powered 4x2 Utility Vehicle** 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 **Gas Powered 4x2 Utility Vehicle** 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. SERVICE FACILITY

- 8.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. 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

9. QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the **Gas Powered 4x2 Utility Vehicle** shall have five (5) years continuous experience manufacturing **Gas Powered 4x2 Utility Vehicles**.
- 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 **Gas Powered 4x2 Utility Vehicles** of the type being offered.

10. SPECIFICATIONS

10.1 **Requirement:**
The City of Winnipeg requires one (1) Gas Powered 4x2 Utility Vehicle meeting the following specifications: _____

Purpose of the Utility Vehicle:

The Department will be using this Utility Vehicle Spring, Summer and Fall:

- Landscaping and gardening
- Pick-up of trash and other debris
- Transportation of personnel and supplies

Work location of the Utility Vehicle:

City of Winnipeg Parks

Capabilities of the Utility Vehicle:

- Transportation of personnel and supplies
- Tow a Utility Cart

Make and Model

10.2 Vehicle Make **State:** make: _____

10.3 Vehicle Model **State:** model: _____

10.4 Vehicle Model Year **State:** model year: _____

Key Specifications

10.5 Vehicle Weight (Dry) Approximately 415 kg (915 lbs.)
State: vehicle weight: _____

10.6 Cargo Box Capacity Approximately 227 kg (500 lbs.)
State: cargo box capacity: _____

10.7 Payload Capacity Approximately 408 kg (900 lbs.)
State: payload capacity: _____

10.8 Towing Capacity Approximately 408 kg (900 lbs.)
State: towing capacity: _____

Engine

10.9 Engine Approximately 10.1 kW (13.5 hp)
State: engine size: _____

10.10 Displacement Approximately 400 cc (24.4 cu in.)
State: displacement: _____

10.11 Battery Approximately 340 CCA
State: battery CCA: _____

10.12 Cooling System Air _____

Fuel

- 10.13 Fuel Type Gas _____
- 10.14 Fuel capacity Approximately 18.9 L (5 U.S. gal.) _____
State: fuel capacity: _____

Drivetrain

- 10.15 Transmission Continuously Variable Transmission (CVT) _____
State: type of transmission: _____
- 10.16 Gear Selection Forward / Neutral / Reverse _____
- 10.17 Drivetrain 2WD _____
- 10.18 Traction Assist Mechanically activated differential lock _____

Suspension

- 10.19 Front
 - Independent spring-over-shock
 - Single A-arm**State:** type: _____
- 10.20 Rear Two high-floatation, low pressure tires (solid axles) _____

Brakes

- 10.21 Type **State:** brake type: _____
- 10.22 Park brake Hand operated _____

Lighting

- 10.23 Lighting - LED
 - Headlights
 - Turn signals – front and rear
 - Brake lights
 - Tail lights
 - Hazards**State:** type of headlights – LED or Halogen

Tires / Wheels

- 10.24 Front - Turf
 - 22.5x10-8 4PR Turf
 - Steel wheels**State:** tire type and size: _____
- 10.25 Rear - Turf
 - 25x12-9 4PR turf
 - Steel wheels**State:** tire type and size: _____

Dimensions / Capacities

- 10.26 Wheelbase Approximately 1770 mm (69.7 in.) _____
State: wheelbase: _____
- 10.27 Length Approximately 2642 mm (104 in.) _____
State: length: _____

10.28	Width	Approximately 1525 mm (60 in.) State: width: _____	_____
10.29	Height	Approximately 1108 mm (43.6 in.) State: height: _____	_____
10.30	Ground clearance	Approximately 152 mm (6 in.) State: ground clearance: _____	_____

Cargo Box

10.31	Cargo box dimensions	Approximately 1003L x 1245W x 229D mm (39.5L x 49W x 9D in.) State: dimensions: _____	_____
10.32	Cargo Box Power Lift	<ul style="list-style-type: none"> • Power Lift Kit • Raises and lowers bed 	_____
10.33	Tailgate	<ul style="list-style-type: none"> • Pick-up style • Hinged at bottom • Removeable 	_____
10.34	Bedliner	Factory installed spray-on bedliner	_____

Towing

10.35	Rear Receiver Hitch	<ul style="list-style-type: none"> • Rear receiver hitch – 2 in. • Capable of towing a Utility Cart 	_____
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Protection

10.36	ROPS	Roll Over Protective System (ROPS)	_____
10.37	FOPS Canopy	Falling Object Protective Structure (FOPS)	_____
10.38	Bumper	Heavy duty front with brush guard	_____

Standard Equipment

10.39	Seating	Bucket seats with seatbelts	_____
10.40	Side Mirrors	Qty two (2)	_____
10.41	Ignition Keys	Two (2) sets	_____
10.42	Instrumentation	<ul style="list-style-type: none"> • Fuel Gauge • Hour meter 	_____
10.43	12-Volt Power Outlet	Qty one (1)	_____

10.44	Cup Holders	Cup holders	_____
10.45	Storage Box	Glove box	_____
	Safety		
10.46	Fire Extinguisher	<ul style="list-style-type: none">• 2.5 lbs.• High volume ABC type• Securely mounted with quick release	_____
13.0	Beacon	<ul style="list-style-type: none">• Amber LED Beacon• Class 1• SWS 23815 or Grote 78033• Beacon to be located on centre of roof to achieve 360-degree visibility• Wired directly to the ignition i.e. no switch.• Beacon must also come with a <u>safety guard</u> – Grote 98470	_____
13.1	Battery Disconnect Switch	Lockable with padlock	_____
13.2	Horn	Horn	_____
13.3	Back Up Alarm	<ul style="list-style-type: none">• Approximately 95 – 112 dB• Protected from damage State: dB(A): _____	_____
10.47	Slow Moving Vehicle Sign	Mounted	_____

11.0 **WARRANTY:**

11.1 All warranty information shall be detailed and **include all exclusions.** _____

The Contractor shall provide all published warranty information upon delivery of the equipment.

Bidder shall state all warranty information.

11.2 The warranty for the **Gas Powered 4x2 Utility Vehicle** shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials. _____

Any equipment that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City.

The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg

11.3 Factory Warranty **State:** Terms: _____

12.0 **DELIVERY:**

12.1 **Delivery Point:** _____

The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.V.I.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB.

12.2 **Delivery Time:** _____

Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days.

State: earliest delivery time from date of award: _____

12.3 **Delivery Contact:** _____

The Contractor shall contact the Contract Administrator prior to delivery of the equipment.

12.4 **P.D.I.:** _____

A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list

13.0 **MANUALS:**

13.1 The following manuals shall be supplied with the units when delivered: _____

- Operator's Manual – Two (2) per unit. One (1) Operator Manual shall be sent to the Equipment Operator Training Branch
- Parts and Service Manuals – One (1) complete set including preventative maintenance schedules. CDs or USB Drives are preferred.

14.0 **PARTS/LABOUR PRICING:**

14.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. _____
State: percentage discount: _____

14.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from retail shop labor rate. _____
State: percentage discount: _____

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT:**

15.1 If applicable, in order to assure minimum downtime of the Equipment in future service, the Contractor must 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, transmission, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing and first transmission service. _____

15.2 The Contractor must 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. _____