

FORM N: DETAILED SPECIFICATIONS 21022, 21023 AND 21024

CHASSIS CAB

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 Bidder 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 **Chassis Cab** and other equipment and features as specified herein.
- 2.2 The **Chassis Cab** shall be a new **2021** model year or newer.
- 2.3 The **Chassis Cab** 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 Compact Hybrid SUV 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.

http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html

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:

<http://www.ulc.ca/>

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(s): _____

7. PERFORMANCE RELIABILITY

7.1 The responsibility for the design of the **Chassis Cab** 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 **Chassis Cab** 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 **Chassis Cab** shall have five (5) years continuous experience manufacturing **Chassis Cab**

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 **Chassis Cab** of the type being offered.

10. SPECIFICATIONS

10.0 **Form B: Item Numbers 1 - 4**
Specification Reference: 21022:

GVWR	Engine	Drive	Cab
16,500	Gas	2WD	Crew

10.1 Vehicle Make **State:** make: _____

10.2 Vehicle Model **State:** model: _____

10.3 GVWR 16,500
State: GVWR: _____

10.4 Engine Gas
State: displacement: _____

10.5 Drive 2WD _____

10.6 Cab Configuration Crew Cab _____

10.7 Wheelbase Approximately 170 in.
State: _____

10.8 Cab to Axle (CA) Approximately 60 in.
State: CA: _____

10.9 Standard Equipment Standard Equipment per Appendix A _____

Options:

Note: Options to be priced only as indicated on Form B: Prices

10.10 Opt. 1: 4WD

- 4WD
- Dash mounted electronic shift

10.11 Opt. 2: Diesel Engine _____

- Diesel, 6L class
- Dual batteries
- 220-amp alternator
- 17,500 lbs. towing capacity

10.12 **Form B: Item Numbers 5 - 8**
Specification Reference: 21023:

GVWR	Engine	Drive	Cab
17,500	Gas	2WD	Regular

10.13 Vehicle Make **State:** make: _____ _____

10.14 Vehicle Model **State:** model: _____ _____

10.15 GVWR 17,500
State: GVWR: _____ _____

10.16 Engine Gas
State: displacement: _____ _____

10.17 Drive 2WD _____

10.18 Cab Configuration Regular Cab _____

10.19 Wheelbase Approximately 170 in.
State: _____ _____

10.20 Cab to Axle (CA) Approximately 84 in.
State: CA: _____ _____

10.21 Standard Equipment Standard Equipment per Appendix A _____

Options:

Note: Options to be priced only as indicated on Form B: Prices

10.22 Opt. 1: 4WD _____

- 4WD
- Dash mounted electronic shift

10.23 Opt. 2: Diesel Engine _____

- Diesel, 6L class
- Dual batteries
- 220-amp alternator
- 17,500 lbs. towing capacity

State Optional Pricing for:
(17,500 GVWR Vehicles)

Note: Will not be evaluated, for information purposes only

10.24 Cab Configuration Upgrade _____

- Extended Cab
- CA approximately 60 in.

State: Optional Pricing: \$ _____

10.25 **Form B: Item Numbers 9 - 12**
Specification Reference: 21024:

GVWR	Engine	Drive	Cab
19,500	Gas	2WD	Regular

10.26 Vehicle Make **State:** make: _____

10.27 Vehicle Model **State:** model: _____

10.28 GVWR 19,500
State: GVWR: _____

10.29 Engine Gas
State: displacement: _____

10.30 Drive 2WD _____

10.31 Cab Configuration Regular Cab _____

10.32 Wheelbase Approximately 170 in.
State: _____

10.33 Cab to Axle (CA) Approximately 84 in.
State: CA: _____

10.34 Standard Equipment Standard Equipment per Appendix A _____

10.35 **Options:**
Note: Options to be priced only as indicated on Form B: Prices

10.36 Opt. 1: 4WD

- 4WD
- Dash mounted electronic shift

10.37 Opt. 2: Diesel Engine

- Diesel, 6L class
- Dual batteries
- 220-amp alternator
- 17,500 lbs. towing capacity

State Optional Pricing for:
(19,500 GVWR Vehicles)
Note: Will not be evaluated, for information purposes only

10.38 Cab Configuration Upgrade

- Crew Cab
- CA approximately 60 in.

State: Optional Pricing: \$ _____

10.39 Snow Plow Prep Package Complete with upgraded alternator and suspension
State: Optional Pricing: \$ _____

APPENDIX A

Vehicle Standard Equipment Applicable to all vehicles specified in this Tender

Engine

11.1	Engine Idle Shutdown Timer	Timer to shut engine off after 15-min.	_____
11.2	Engine Cooling	<ul style="list-style-type: none"> • Heavy Duty cooling package • Suitable for a towing package 	_____
11.3	Coolant	Extended Life Coolant, -37°C (-35°F)	_____
11.4	Block Heater	Submersible coolant type, with cord through grille	_____

Alternator and Battery

11.5	Alternator	Approximately 200 Amp	_____
11.6	Battery	Approximately 650 – 750 CCA	_____

Transmission

11.7	Transmission	Automatic	_____
11.8	Transmission Cooling	Heavy Duty cooling package suitable for a towing package	_____

Rear Axle

11.9	Rear Axle	Limited slip or locking type	_____
11.10	Rear Axle Ratio	Standard State: ratio: _____	_____

Tires and Wheels

11.11	Tires	<ul style="list-style-type: none"> • Standard size to match GVWR • 225/70Rx19.5 	_____
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Tread Pattern

11.12	Front Tires	<ul style="list-style-type: none"> • Load Range G • BSW • Traction Tread • M+S 	_____
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- 11.13 Rear Tires
 - Load Range G
 - BSW
 - Traction Tread
 - M+S

- 11.14 Wheels
 - Argent Painted Steel
 - Wheel nut indicators installed on every second wheel nut, front and rear

- 11.15 Valve Stem Extension
 - Braided Stainless Steel Valve Stem Extensions
 - Qty Two (2)
 - Approximately 7 in.



Mud Flaps

- 11.16 Mud Flaps, Front
 - OEM
 - Moulded

- 11.17 Mud Flaps, Rear
 - Temporary style
 - Removable



Brakes

- 11.18 Brakes
 - Power with ABS

Steering

- 11.19 Steering
 - Power

- 11.20 Steering Wheel
 - Tilt type

Cab Steps

- 11.21 Cab Steps
 - Not Required

Seats

- 11.22 Seats, Front
 - Split bench
 - Cloth or cloth w/vinyl trim

- 11.23 Seats, Rear
(If Applicable to Cab Configuration)
 - 60/40 fold-up bench seat

11.24 Seat Covers

- Heavy duty vinyl material or equivalent
- Charcoal grey or black
- Specifically designed for make and model of chassis seats being bid

Flooring Covering

11.25 Floor Covering Black vinyl or rubber _____

Note: No carpets

11.26 Floor Mats - Rubber

- All-Weather
- Front and rear

Convenience

11.27 Cruise Control Electronic _____

11.28 Door Locks Power _____

11.29 Air Conditioning Unit to be equipped with A/C _____

11.30 Ignition Keys Three (3) keys _____

11.31 Remote Keyless Entry Two (2) key FOBS _____

11.32 Lights Interior dome with door switches _____

11.33 Windows Power _____

Air Bags

11.34 Air Bags Driver and Passenger frontal _____

Windshield and Accessories

11.35 Windshield Tinted _____

11.36 Windshield Wipers Intermittent _____

11.37 Wiper Blades "Reflex" style wiper blades _____

Auxiliary Switches

11.38 Auxiliary Switches Six (6) OEM dash mounted switches _____

Mirrors

11.39 Mirror, Interior

- Rear view
- Windshield mounted

11.40 Mirrors, Exterior

- Dual exterior
- Heated
- Black polycarbonate
- Approximately 5" x 8"
- West Coast or Recreational style

Radio

11.41 Radio Factory installed complete with Aux. "IN" and USB port _____

Rear View Camera

- | | | | |
|-------|------------------|--|-------|
| 11.42 | Rear View Camera | <ul style="list-style-type: none">• To be shipped loose• Installed by body supplier• Rear view camera prep kit to include camera, screen (or displayed in rear view mirror) mounting hardware and OEM wiring harness | _____ |
|-------|------------------|--|-------|

12-Volt Power Point

- | | | | |
|-------|---------------------|--|-------|
| 11.43 | 12-Volt Power Point | One (1) or two (2) outlets
State: quantity | _____ |
|-------|---------------------|--|-------|

Bluetooth / Cell Phone Compatibility

- | | | | |
|-------|-----------------------|---|-------|
| 11.44 | Bluetooth® Technology | <ul style="list-style-type: none">• For use with cellular phones• “Hands-Free” capable• Voice command activated through vehicle’s radio circuit | _____ |
|-------|-----------------------|---|-------|

Colour

- | | | | |
|-------|--------|---|-------|
| 11.45 | Colour | <ul style="list-style-type: none">• Exterior - Bright white• Interior - Blue, grey or black• Wheels - Grey, argent or white | _____ |
|-------|--------|---|-------|

Fuel

- | | | | |
|-------|-----------|--|-------|
| 11.46 | Fuel Tank | <ul style="list-style-type: none">• Approximately 150 L capacity• Fully fuelled upon delivery | _____ |
|-------|-----------|--|-------|

Towing

- | | | | |
|-------|--------------------------|---|-------|
| 11.47 | Trailer Tow Prep Package | Suitable for approximately 13,000 lbs. capacity | _____ |
|-------|--------------------------|---|-------|

- | | | | |
|-------|---------------------|--|-------|
| 11.48 | Trailer Plug Wiring | <ul style="list-style-type: none">• Wired into chassis manufacturer’s OEM trailer wiring circuit• Independently wired/fused from main truck lighting harness or circuits.• Cable shall be routed along inside of vehicle frame to rear of vehicle• Properly secured using UV resistant “Outdoor Black” cable ties | _____ |
|-------|---------------------|--|-------|

- | | | | |
|-------|--------------|---|-------|
| 11.49 | Trailer Plug | <ul style="list-style-type: none">• 7-Way (Spade type) socket,• Black ABS or nylon construction• Grote 82-1058 or equivalent• Wired to code• Plug supplied loose in glove box | _____ |
|-------|--------------|---|-------|

- | | | | |
|-------|---------------------------|-----------------------|-------|
| 11.50 | Electric Brake Controller | OEM factory installed | _____ |
|-------|---------------------------|-----------------------|-------|

Bumper

11.51	Bumper, Front	Chrome	_____
11.52	Bumper, Rear	Not required	_____
11.53	License Plate Bracket	<ul style="list-style-type: none">• Front bumper mounted• Complete with license plate mounting hardware	_____

Safety

11.54	Flare kit	<ul style="list-style-type: none">• Three triangular reflectors• CVSA approved• Truck-Lite 798 or equivalent	_____
11.55	Fire Extinguisher	<ul style="list-style-type: none">• 5 lbs. short• ABC type• In cab with mounting bracket	_____
11.56	First Aid Kit	<ul style="list-style-type: none">• Manitoba Provincial approved kit, P36• Supplied loose	_____

12.0 **WARRANTY:**

Applicable to all vehicles specified in this Tender

12.1 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.

12.2 The warranty for the **Chassis Cab** 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

12.3 Basic Vehicle (Comprehensive) **State:** Terms: _____

12.4 Battery **State:** Terms: _____

12.5 Drivetrain **State:** Terms: _____

12.6 Cab Structure **State:** Terms: _____

12.7 Cab Corrosion **State:** Terms: _____

12.8 Frame & Cross members **State:** Terms: _____

12.9 Cab Paint **State:** Terms: _____

12.10 Engine **State:** Terms: _____

12.11 Towing Coverage **State:** Terms: _____

12.12 Transmission **State:** Terms: _____

12.13 Axles, Front & Rear **State:** Terms: _____

12.14 Exhaust System **State:** Terms: _____

13.0 **DELIVERY:**

Applicable to all vehicles specified in this Tender

13.1 **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.

13.2 **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: _____

13.3 **Delivery Contact:** _____

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

13.4 **P.D.I.:** _____

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

14.0 **MANUALS:**

Applicable to all vehicles specified in this Tender

14.1 **Manuals:** _____

Operator – One (1) copy shall be supplied when vehicle is delivered

15.0 **PARTS/LABOUR PRICING:**

Applicable to all vehicles specified in this Tender

15.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. _____

State: percentage discount: _____

15.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from retail shop labor rate. _____

State: percentage discount: _____

16.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT:**

Applicable to all vehicles specified in this Tender

- 16.1 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. _____
- 16.2 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. _____