

## FORM N: DETAILED SPECIFICATIONS 25011 AND 25012

### 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 **2025** 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 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 **Chassis Cab** shall comply with the applicable regulations:

#### Standard - Specification/Regulation

#### Internet URL

Transport Canada, National Safety Mark, NSM:	<a href="http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm">http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm</a>
Manitoba Safety and Health Regulation, Parts 12, 16, 22:	<a href="http://web2.gov.mb.ca/laws/regs/current/217.06.pdf">http://web2.gov.mb.ca/laws/regs/current/217.06.pdf</a>
Canadian Motor Vehicle Safety Standards C.M.V.S.S.:	<a href="http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html">http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html</a>
Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker:	<a href="http://web2.gov.mb.ca/laws/regs/index.php?act=h60">http://web2.gov.mb.ca/laws/regs/index.php?act=h60</a>
Canadian Standards Association CSA:	<a href="http://www.csagroup.org">http://www.csagroup.org</a>
Under Writers of Canada U/L:	<a href="http://www.ulc.ca">http://www.ulc.ca</a>

Society of Automotive Engineers SAE:

<http://www.sae.org>

City of Winnipeg Lighting Visibility Standard:

<http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipmentVisibility.pdf>

Manitoba Building Code:

[https://web2.gov.mb.ca/laws/regs/current/\\_pdf-regs.php?reg=31/2011](https://web2.gov.mb.ca/laws/regs/current/_pdf-regs.php?reg=31/2011)

3.3 Where applicable, the completed unit shall include a Manitoba Government Inspection with Safety Sticker.

3.4 Where applicable, the manufacturer/installer shall affix their National Safety Mark (NSM) certification sticker on each unit.

State NSM number: \_\_\_\_\_

3.5

#### 4. FUEL

4.1 Where applicable, 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.

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#### 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, or 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 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 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 of 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. WEIGHT DISTRIBUTION

- 10.1 The completed vehicle shall not exceed the City of Winnipeg's limits gross vehicle weight, axle, and tire loads with the unit (including the chassis) fully fuelled and operational with two (2) operators and including a full payload of cut trees.

Note:

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

- **Front axle (steering axle) – 7300 kg (16,094 lbs.)**
- **Rear axle (single axle) – 9100 kg (20,062 lbs.)**
- **Tire load – 9 kilograms for each millimetre width of tire (approx. 500 lbs. per inch of tire width)**

## 11. WEIGH SCALE TICKET

- 11.1 Where applicable, the Contractor shall provide a certified weigh scale ticket upon delivery of the completed unit. The Scale Ticket shall include front and rear axle weights fully fuelled and operational including two (2) operators.

## 12. SPECIFICATIONS

- 12.0 **Form B: Item Numbers 1**  
**Specification Reference: 25011:**

GVWR	Engine	Drive	Cab	CA	Wheel
13,500	Gas	2WD	Crew	60	SRW

- 12.1 Vehicle Make **State:** make: \_\_\_\_\_
- 12.2 Vehicle Model **State:** model: \_\_\_\_\_
- 12.3 GVWR 13,500  
**State:** GVWR: \_\_\_\_\_
- 12.4 Engine Gas  
**State:** displacement: \_\_\_\_\_

12.5	Drive	2WD	_____
12.6	Cab Configuration	Crew Cab	_____
12.7	Wheelbase	Approximately 179 in. <b>State:</b> _____	_____
12.8	Cab to Axle (CA)	Approximately 60 in. <b>State:</b> CA: _____	_____
12.9	Standard Equipment	Standard Equipment per Appendix A	_____
12.10	Similar Vehicle (For Reference Purposes)	Chassis Cab to match specifications of current vehicle in service. VIN: <b>1FD8W3FN7REE88171</b>	_____

**Options:**

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

12.11	Option. 1: 4WD	<ul style="list-style-type: none"> <li>• 4WD</li> <li>• Dash mounted electronic shift</li> </ul>	_____
12.12	Option. 2: Diesel Engine	<ul style="list-style-type: none"> <li>• Diesel, 6L class</li> <li>• Dual batteries</li> <li>• 220-amp alternator</li> <li>• 17,500 lbs. towing capacity</li> </ul>	_____
12.13	Option 3: Single Rear Wheel (SRW)	Single Rear Wheel (SRW)	_____
12.14	Option 4: Remote Start System	Remote Start System	_____
12.15	<b>Form B: Item Number 2</b> <b>Specification Reference: 25012:</b>		

GVWR	Engine	Drive	Cab	CA
16,500	Gas	2WD	Crew	60

12.16	Vehicle Make	<b>State:</b> make: _____	_____
12.17	Vehicle Model	<b>State:</b> model: _____	_____
12.18	GVWR	16,500 <b>State:</b> GVWR: _____	_____
12.19	Engine	Gas <b>State:</b> displacement: _____	_____
12.20	Drive	2WD	_____
12.21	Cab Configuration	Crew Cab	_____
12.22	Wheelbase	Approximately 179 in. <b>State:</b> _____	_____

12.23	Cab to Axle (CA)	Approximately 60 in. <b>State:</b> CA: _____	_____
12.24	Standard Equipment	Standard Equipment per Appendix A	_____
	<b>Options:</b>		
	<b>Note:</b> Options to be priced only as indicated on Form B: Prices		
12.25	Option. 1: 4WD	<ul style="list-style-type: none"><li>• 4WD</li><li>• Dash mounted electronic shift</li></ul>	_____
12.26	Option. 2: Diesel Engine	<ul style="list-style-type: none"><li>• Diesel, 6L class</li><li>• Dual batteries</li><li>• 220-amp alternator</li><li>• 17,500 lbs. towing capacity</li></ul>	_____

## **APPENDIX A**

### **Vehicle Standard Equipment Applicable to all vehicles specified in this Tender**

#### **Engine**

- |      |                            |   |       |
|------|----------------------------|---|-------|
| 13.1 | Engine Idle Shutdown Timer | Timer to shut engine off after 15 minutes   | _____ |
| 13.2 | Engine Cooling             | <ul style="list-style-type: none"> <li>• Heavy Duty cooling package</li> <li>• Suitable for a towing package</li> </ul> | _____ |
| 13.3 | Coolant                    | Extended Life Coolant, -37°C (-35°F)  | _____ |
| 13.4 | Block Heater               | Submersible coolant type, with cord through grille  | _____ |

#### **Alternator and Battery**

- |      |            |                             |       |
|------|------------|-----------------------------|-------|
| 13.5 | Alternator | Approximately 200 Amp       | _____ |
| 13.6 | Battery    | Approximately 650 – 750 CCA | _____ |

#### **Transmission**

- |      |                      |  |       |
|------|----------------------|--|-------|
| 13.7 | Transmission         | Automatic  | _____ |
| 13.8 | Transmission Cooling | Heavy Duty cooling package suitable for a towing package | _____ |

#### **Rear Axle**

- |       |                 |  |       |
|-------|-----------------|--|-------|
| 13.9  | Rear Axle       | Limited slip or locking type           | _____ |
| 13.10 | Rear Axle Ratio | Standard<br><b>State:</b> ratio: _____ | _____ |

#### **Tires and Wheels**

- |       |       |   |       |
|-------|-------|---|-------|
| 13.11 | Tires | <ul style="list-style-type: none"> <li>• Standard size to match GVWR</li> <li>• 225/70Rx19.5</li> </ul> | _____ |
|-------|-------|---|-------|



Tread Pattern

- |       |             |  |       |
|-------|-------------|--|-------|
| 13.12 | Front Tires | <ul style="list-style-type: none"> <li>• Load Range G</li> <li>• BSW</li> <li>• Traction Tread</li> <li>• M+S</li> </ul> | _____ |
|-------|-------------|--|-------|

13.13	Rear Tires	<ul style="list-style-type: none"> <li>Load Range G</li> <li>BSW</li> <li>Traction Tread</li> <li>M+S</li> </ul>	_____
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13.14	Wheels	<ul style="list-style-type: none"> <li>Argent Painted Steel</li> <li>Wheel nut indicators installed on every second wheel nut, front and rear</li> </ul>	_____
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13.15	Valve Stem Extension	<ul style="list-style-type: none"> <li>Braided Stainless Steel Valve Stem Extensions</li> <li>Qty Two (2)</li> <li>Approximately 7 in.</li> </ul>	_____
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### **Mud Flaps**

13.16	Mud Flaps, Front	<ul style="list-style-type: none"> <li>OEM</li> <li>Moulded</li> </ul>	_____
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13.17	Mud Flaps, Rear	<ul style="list-style-type: none"> <li>Temporary style</li> <li>Removable</li> </ul>	_____
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### **Brakes**

13.18	Brakes	Power with ABS	_____
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### **Steering**

13.19	Steering	Power	_____
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13.20	Steering Wheel	Tilt type	_____
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### **Cab Steps**

13.21	Cab Steps	Not Required	_____
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### **Seats**

13.22	Seats, Front	<ul style="list-style-type: none"> <li>Split bench</li> <li>Cloth or cloth w/vinyl trim</li> </ul>	_____
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13.23	Seats, Rear (If Applicable to Cab Configuration)	60/40-fold-up bench seat	_____
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- |       |             |  |       |
|-------|-------------|--|-------|
| 13.24 | Seat Covers | <ul style="list-style-type: none"> <li>Heavy duty vinyl material or equivalent</li> <li>Charcoal grey or black</li> <li>Specifically designed for make and model of chassis seats being bid</li> </ul> | _____ |
|-------|-------------|--|-------|

**Flooring Covering**

- |       |                |                       |       |
|-------|----------------|-----------------------|-------|
| 13.25 | Floor Covering | Black vinyl or rubber | _____ |
|-------|----------------|-----------------------|-------|

**Note:** No carpets

- |       |                     |   |       |
|-------|---------------------|---|-------|
| 13.26 | Floor Mats - Rubber | <ul style="list-style-type: none"> <li>All-Weather</li> <li>Front and rear</li> </ul> | _____ |
|-------|---------------------|---|-------|

**Convenience**

- |       |                      |                                  |       |
|-------|----------------------|----------------------------------|-------|
| 13.27 | Cruise Control       | Electronic                       | _____ |
| 13.28 | Door Locks           | Power                            | _____ |
| 13.29 | Air Conditioning     | Unit to be equipped with A/C     | _____ |
| 13.30 | Ignition Keys        | Three (3) keys                   | _____ |
| 13.31 | Remote Keyless Entry | Two (2) key FOBS                 | _____ |
| 13.32 | Lights               | Interior dome with door switches | _____ |
| 13.33 | Windows              | Power                            | _____ |

**Air Bags**

- |       |          |                              |       |
|-------|----------|------------------------------|-------|
| 13.34 | Air Bags | Driver and Passenger frontal | _____ |
|-------|----------|------------------------------|-------|

**Windshield and Accessories**

- |       |                   |                             |       |
|-------|-------------------|-----------------------------|-------|
| 13.35 | Windshield        | Tinted                      | _____ |
| 13.36 | Windshield Wipers | Intermittent                | _____ |
| 13.37 | Wiper Blades      | "Reflex" style wiper blades | _____ |

**Auxiliary Switches**

- |       |                    |   |       |
|-------|--------------------|---|-------|
| 13.38 | Auxiliary Switches | Six (6) OEM Upfitter switches on the overhead console | _____ |
|-------|--------------------|---|-------|

**Mirrors**

- |       |                   |   |       |
|-------|-------------------|---|-------|
| 13.39 | Mirror, Interior  | <ul style="list-style-type: none"> <li>Rear view</li> <li>Windshield mounted</li> </ul>   | _____ |
| 13.40 | Mirrors, Exterior | <ul style="list-style-type: none"> <li>Dual exterior</li> <li>Heated</li> <li>Black polycarbonate</li> <li>Approximately 5" x 8"</li> <li>West Coast or Recreational style</li> </ul> | _____ |

**Radio**

- |       |       |  |       |
|-------|-------|--|-------|
| 13.41 | Radio | Factory installed complete with Aux. "IN" and USB port | _____ |
|-------|-------|--|-------|



### Rear View Camera

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

13.43	12-Volt Power Point	One (1) or two (2) outlets <b>State:</b> quantity	_____
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### Bluetooth / Cell Phone Compatibility

13.44	Bluetooth® Technology	<ul style="list-style-type: none"> <li>• For use with cellular phones</li> <li>• "Hands-Free" capable</li> <li>• Voice command activated through vehicle's radio circuit</li> </ul>	_____
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### Colour

13.45	Colour	<ul style="list-style-type: none"> <li>• Exterior - Bright white</li> <li>• Interior - Blue, grey, or black</li> <li>• Wheels - Grey, argent or white</li> </ul>	_____
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### Fuel

13.46	Fuel Tank	<ul style="list-style-type: none"> <li>• Approximately 150 L capacity</li> <li>• Fully fuelled upon delivery</li> </ul>	_____
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### Towing

13.47	Trailer Tow Prep Package	Suitable for approximately 13,000 lbs. capacity	_____
13.48	Trailer Plug Wiring	<ul style="list-style-type: none"> <li>• Wired into chassis manufacturer's OEM trailer wiring circuit</li> <li>• Independently wired/fused from main truck lighting harness or circuits.</li> <li>• Cable shall be routed along inside of vehicle frame to rear of vehicle</li> <li>• Properly secured using UV resistant "Outdoor Black" cable ties</li> </ul>	_____
13.49	Trailer Plug	<ul style="list-style-type: none"> <li>• 7-Way (Spade type) socket,</li> <li>• Black ABS or nylon construction</li> <li>• Grote 82-1058 or equivalent</li> <li>• Wired to code</li> <li>• Plug supplied loose in glove box</li> </ul>	_____
13.50	Electric Brake Controller	OEM factory installed	_____

**Bumper**

13.51	Bumper, Front	Chrome	_____
13.52	Bumper, Rear	Not required	_____
13.53	License Plate Bracket	<ul style="list-style-type: none"><li>• Front bumper mounted</li><li>• Complete with license plate mounting hardware</li></ul>	_____

**Safety**

13.54	Flare kit	<ul style="list-style-type: none"><li>• Three triangular reflectors</li><li>• CVSA approved</li><li>• Truck-Lite 798 or equivalent</li></ul>	_____
13.55	Fire Extinguisher	<ul style="list-style-type: none"><li>• 5 lbs. short</li><li>• ABC type</li><li>• In cab with mounting bracket</li></ul>	_____

14.0 **WARRANTY:**

**Applicable to all vehicles specified in this Tender**

14.1 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.

14.2 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

14.3	Basic Vehicle (Comprehensive)	<b>State:</b> Terms: _____	_____
14.4	Battery	<b>State:</b> Terms: _____	_____
14.5	Drivetrain	<b>State:</b> Terms: _____	_____
14.6	Cab Structure	<b>State:</b> Terms: _____	_____
14.7	Cab Corrosion	<b>State:</b> Terms: _____	_____
14.8	Frame & Cross members	<b>State:</b> Terms: _____	_____
14.9	Cab Paint	<b>State:</b> Terms: _____	_____
14.10	Engine	<b>State:</b> Terms: _____	_____
14.11	Towing Coverage	<b>State:</b> Terms: _____	_____
14.12	Transmission	<b>State:</b> Terms: _____	_____
14.13	Axles, Front & Rear	<b>State:</b> Terms: _____	_____
14.14	Exhaust System	<b>State:</b> Terms: _____	_____

15.0 **DELIVERY:**

**Applicable to all vehicles specified in this Tender**

15.1 **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.

15.2 **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: \_\_\_\_\_

15.3 **Delivery Contact:** \_\_\_\_\_

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

15.4 **P.D.I:** \_\_\_\_\_

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

16.0 **MANUALS:**

**Applicable to all vehicles specified in this Tender**

16.1 **Manuals:** \_\_\_\_\_

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

17.0 **PARTS/LABOUR PRICING:**

**Applicable to all vehicles specified in this Tender**

17.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. \_\_\_\_\_

**State: percentage discount:** \_\_\_\_\_

17.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from retail shop labor rate. \_\_\_\_\_

**State: percentage discount:** \_\_\_\_\_

18.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT:**

**Applicable to all vehicles specified in this Tender**

- 18.1 If applicable, 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. \_\_\_\_\_
- 18.2 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. \_\_\_\_\_