

FORM N: DETAILED SPECIFICATIONS 23015

FORKLIFT

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 **Forklift** and other equipment and features as specified herein.
- 2.2 The **Forklift** shall be a new **2023** model year or newer.
- 2.3 The **Forklift** 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 **Forklift** 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 \(ULC\)](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 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.

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 **Forklift**, 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 **Forklift** 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 **Forklift** shall have five (5) years continuous experience manufacturing **Forklift**.

- 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 **Forklift** of the type being offered.

10. SPECIFICATIONS

Make and Model

- | | | | |
|-------|----------------------|---|-------|
| 10.0 | Equipment Make | State: make: _____ | _____ |
| 10.1 | Equipment Model | State: model: _____ | _____ |
| 10.2 | Equipment Model Year | State: model year: _____ | _____ |
| 10.3 | Type | Liquid Propane Gas (LPG) | _____ |
| 10.4 | Engine | <ul style="list-style-type: none"> • Propane • 4-cylinder in line engine • Electronic control system • Approximately 44 HP • 100 lb-ft torque with Cooling Fan | _____ |
| 10.5 | Electrical | <ul style="list-style-type: none"> • 12 Volt power supply • Approximately 475 CCA battery • Approximately 60-amp alternator | _____ |
| 10.6 | Ignition | Anti-restart ignition switch | _____ |
| 10.7 | Tires | <ul style="list-style-type: none"> • Solid or pneumatic type • Front approx. 6.5-10 • Rear approx. 5.00-8 • Indoor/outdoor tread for summer and winter use State: type and size: _____ | _____ |
| 10.8 | Capacity | Approximately 3000 lbs. at 24 in. load center
State: capacity: _____ | _____ |
| 10.9 | Lift speed | Full load approximately 105 fpm | _____ |
| 10.10 | Forks | Approximately 1.6 x 4 x 42 in.
State: size: _____ | _____ |
| 10.11 | Mast | 2 or 3-stage mast with free lift (total height approx. 175 in.)
Complete with: <ul style="list-style-type: none"> • Integral Fork Positioners • Integral Power-Controlled Side Shift Note: Cascade Fork Positioner or equivalent | _____ |
| 10.12 | Stability | According to ANSI | _____ |

10.13	ROPS/FOPS	<ul style="list-style-type: none"> • Roll Over Protection Structure • Falling Object Protective Structure 	_____
10.14	Dimensions	<ul style="list-style-type: none"> • Length to fork face approximately 88 in. State: _____ • Width approximately 42 in. State: _____ • Mast height, upright lowered approximately 84 in. State: _____ • Wheelbase approximately 54 in. State: _____ • Overhead guard height approximately 84 in. State: _____ 	_____
10.15	Service weight	Approximately 6600 lbs. State: _____	_____
10.16	Travel speed	Approximately 17 km/h loaded State: _____	_____
10.17	Steering	<ul style="list-style-type: none"> • Fully hydrostatic power steering (FHPS) • Tilting steering console • Spinner knob 	_____
10.18	Grab handles	<ul style="list-style-type: none"> • For cab entry and exit • Both sides 	_____
10.19	Driver display	<p>Self diagnostic capability, with Multi-function display to allow the operator to view all required information that relates to the forklift and its functions</p> <p>Display to include:</p> <ul style="list-style-type: none"> • Transmission oil temperature • Travel distance • Speed meters • Warning lamps 	_____
10.20	Brakes	Self-adjusting brakes	_____
10.21	Parking Brake	Foot applied, hand released parking brake with reminder	_____
10.22	Transmission	Transmission Automatic	_____
10.23	Accelerator Pedal	<p>Single accelerator pedal with a shift selector for forward/reverse</p> <p>State: location of shift selector: _____</p>	_____
10.24	Seat	Adjustable with suspension	_____

10.25	Restraint System	<ul style="list-style-type: none">• Operator restraint system• Retractable lap belt• Active stability systems	_____
10.26	Lighting	Headlights and working lights	_____
10.27	Propane Tank	33 LB Aluminum LPG Tank	_____
10.28	Tank Bracket	Swing down tank bracket	_____
	Safety		
10.29	Beacon	<ul style="list-style-type: none">• LED Beacon Class 2• Mounted on top side of rear ROPS to achieve 360-degree visibility• Light to be guarded	_____
10.30	Slow Moving Vehicle Sign	Mounted	_____
10.31	Horn	<ul style="list-style-type: none">• Readily accessible driver-operated• Clearly labelled	_____
10.32	Back-Up Alarm	<ul style="list-style-type: none">• Approximately 90 - 112 dB• Protected from damage	_____
10.33	Fire Extinguisher	<ul style="list-style-type: none">• 5.0 lbs.• High volume ABC type• Securely mounted with quick release	_____

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

11.4 Powertrain **State:** Terms: _____

11.5 Hydraulics warranty **State:** Terms: _____

11.6 Batteries warranty **State:** Terms: _____

11.7 Tires warranty **State:** Terms: _____

11.8 Electrical 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 **Manuals:** _____

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

Operator – Two (2) Copies

- One (1) copy shall be sent to the Equipment Operator Training Branch
- One (1) copy to be left with the equipment

Parts and Service

- One (1) complete set including preventative maintenance schedules

Note: CD or USB flash drive is preferred where available

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. _____