

FORM N: DETAILED SPECIFICATIONS 21029

ELECTRIC REACH TRUCK

1. INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 1.1 All items in these specifications should be answered indicating compliance or non-compliance.
- 1.2 **Bidders 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 Bidder 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 a **4000LBS. ELECTRIC REACH TRUCK** and other equipment and features as specified herein.
- 2.2 The **4000LBS. ELECTRIC REACH TRUCK** shall be a new 2021 model year or newer.
- 2.3 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 The **4000LBS. ELECTRIC REACH TRUCK** 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: <http://web2.gov.mb.ca/laws/regs/current/217.06.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

3.3 The completed unit shall include a Manitoba Government Inspection with Safety Sticker on the driver's side window.

4. REFERENCES

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

5. MAKE & MODEL

5.1 State year, make and model being bid: _____

6.0 PERFORMANCE RELIABILITY

6.1 The responsibility for the design of the **4000LBS. ELECTRIC REACH TRUCK** its performance and reliability shall rest upon the Contractor.

6.2 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.

6.3 Where the **4000LBS. ELECTRIC REACH TRUCK** develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

6.4 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).

7.0 FUEL

7.1 Where applicable, all equipment must be fully fueled upon delivery (no exceptions).

8.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

8.1 The manufacturer of the **4000LBS. ELECTRIC REACH TRUCK** shall have five (5) years continuous experience manufacturing the equipment.

8.2 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.

8.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining **4000LBS. ELECTRIC REACH TRUCK** of the type being offered.

9.0 SPECIFICATIONS:

9.1	Type	Electric, 4000lbs. lift reach truck.	_____
9.2	Power type	Electric 24 or 36 volt.	_____
9.3	Operator station	Stand up type, forward facing.	_____
9.4	Capacity	4000lbs. at 24" load center.	_____
9.5	Tires/wheels	State type.	_____
9.6	Load weight display/forklift scale	LCD or LED display.	_____
9.7	Lift speed	Full load approx. 35fpm up, 110fpm down.	_____
9.8	Forks	Approx. 1.8" x 3.9" x 42", state size.	_____
9.9	Mast dimensions	Fork Height: 203"	_____
		Overall Lowered Height: 92"	_____
		Overall Height (Mast Extended) Highest Point w/36" Load Backrest: 242"	_____
		Free-Lift: 52"	_____
		Overhead Guard Height to Top: 91"	_____
		Operator Clearance: 79"	_____
		Head Length (Length to Face of Forks): Single Reach: 52"	_____
		Note: height dimensions are based on clearance through passageways.	
9.10	Side shift	Integral power controlled side shift.	_____
9.11	Stability	According to ANSI.	_____
9.12	FOPS	Falling Object Protection Structure.	_____
9.13	Dimensions	Turning radius not to exceed 66 in., state .	_____
		Wheelbase not to exceed 56 in., state .	_____
		Overall forklift height not to exceed 92 in., state max height .	_____
9.14	Service weight with battery	Approx. 7500lbs., state .	_____
9.15	Travel speed	State .	_____
9.16	Steering	Electric power steering, tilting steering console, spinner knob.	_____
9.17	Grab handles	Both sides	_____

9.18	Driver display	Self-diagnostic capability, with Multi-function display to allow the operator to view all required information that relates to the forklift and its functions. Display to include battery status, hour meter, and warning lamps.	_____
9.19	Brakes	Method of Control – Service/Parking: Foot Method of operation – Service/Parking: Spring Apply/Electric Release.	_____
9.20	Transmission	Electric drivetrain, with forward and reverse.	_____
9.21	Safety	<ul style="list-style-type: none">• Horn, back up alarm,• LED Beacon Class 2. Light to be guarded and mounted on top side of rear ROPS to achieve 360 degree visibility.• Fire extinguisher 5 lb. ABC type, securely mounted and secured, quick release.• Slow moving Sign.	_____ _____ _____ _____
9.22	Impact monitor system	Solid state microprocessor controlled.	_____
9.23	Lighting	LED Working lights.	_____
9.24	Rear handle	Rear assist grip handle with horn button to improve the standing position of the operator during reverse travel.	_____
9.25	Battery	Voltage: 24 or 36Volt Amp/Hour: Approx. 1200. Dimensions (L x W x H): 38.8" x 14.25" x 31". Weight: approx.: 1600 lbs. Max: 2100 lbs. State battery type: _____	_____ _____ _____ _____ _____
9.26	Battery and compartment size	24 or 36 volt, approx. size, 14.5" Battery Compartment (L x W x H): 39" x 14.5" x 31.5"	_____
9.27	Battery disconnect switch		_____
9.28	Charging system	To include a new charger AC Input. State Input voltage: _____ State Amp output: _____	_____

10.0 **WARRANTY**

10.1 All warranty information shall be detailed and include all exclusions. The Contractor shall provide all published warranty information upon delivery of the equipment. Contractor shall state all warranty information. _____

10.2 Basic coverage **State:** _____

10.3 Powertrain **State:** _____

10.4 Hydraulics warranty **State:** _____

10.5 Batteries warranty **State:** _____

10.6 Tires warranty **State:** _____

10.7 Electrical warranty **State:** _____

11.0 **DELIVERY**

11.1 Delivery Point: The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.I.V.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB. The successful bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order _____

11.2 Delivery Time: **Twelve to sixteen (12-16) calendar weeks** from the date of award. Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days. _____

11.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____

11.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____

12.0 **MANUALS**

12.1 Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD or USB flash drive is preferred where available. _____

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

a) Operator's manual – Three (3) per unit (one operator manual shall be supplied. _____

b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs or USB flash drive are preferred. _____

13.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

13.1 In order to assure minimum downtime of the equipment in future service, the Contractor shall 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. _____

13.2 The Contractor shall 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. _____

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-** _____