

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND INSTALLATION OF HYDRAULIC PRESSES

2. Bidder

Name of Bidder

Usual Business Name of Bidder as it appears on Invoice (if different from above)

Street

City

Province

Postal Code

Email Address of Bidder

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

GST Registration Number (if applicable)

The Bidder is:

(Choose one)

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

Contact Person

Title

Telephone Number

Facsimile Number

Email Address

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.

5. Offer The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work The Bidder agrees that no Work shall commence until he/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

| | | | |
|-----|-------|-------|-------|
| No. | _____ | Dated | _____ |
| | _____ | | _____ |
| | _____ | | _____ |

9. Time This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures The Bidder or the Bidder's authorized official or officials have signed this _____ day of _____, 20____.

Signature of Bidder or
Bidder's Authorized Official or Officials

(Print here name and official capacity of individual whose signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
(See B9)

SUPPLY AND INSTALLATION OF HYDRAULIC PRESSES

UNIT PRICES

| ITEM NO. | DESCRIPTION | SPEC. REF. | UNIT | QUANTITY | UNIT PRICE |
|----------|------------------------------------|------------|------|----------|------------|
| 1. | 100 Ton Roll Frame Hydraulic Press | 17031A | Each | 1 | |
| 1.a | V-Block | 17031A | Each | 2 | |
| 1.b | Security Safeguarding Kit | 17031A | Kit | 1 | |
| 2. | 50 Ton H Frame Hydraulic Press | 17031B | Each | 4 | |
| 2.a | V-Block | 17031B | Each | 8 | |
| 2.b | Security Safeguarding Kit | 17031B | Kit | 4 | |

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 17031A
100 Ton Roll Frame Hydraulic Press

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe a **100 Ton Roll Frame Hydraulic Press** and other Equipment and features as specified herein.
- 1.2 The **100 Ton Roll Frame Hydraulic Press** shall be a new 2017 model year or newer.
- 1.3 The **100 Ton Roll Frame Hydraulic Press** and all other items/components shall be the manufacturer's latest models. 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 into successful operation shall be furnished as though specifically mentioned in these specifications. The complete equipment, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry

2.0 SERVICE FACILITY

- 2.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. 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.

3.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 3.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.
- 3.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.
- 3.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

4.0 OTHER SPECIFICATIONS AND STANDARDS

- 4.1 All applicable CSA standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 4.2 The **100 Ton Roll Frame Hydraulic Press** and all its Safety components and attachments shall comply with the applicable regulations: **An Engineered control for point of operation is required to protect the operator and bystanders from point of operation hazards.**

Two (2) calendar weeks prior to the date of delivery, the Contractor is required to provide certification from a Professional Engineer that indicates all safeguarding features integrated within the Hydraulic Press unit and supplied attachments meet CSA Standard Z432-16.

Equipment specification, relating **CSA Standard Z432-16: Safeguarding of Machinery** as referenced in Manitoba Regulation 217 /2006 and relevant parts of CSA Z142-10: Code for Power Press Operation.

- 4.2.1 Fixed Barrier Guards/Perimeter Guards: Shall be designed to comply with **CSA Standard Z432-16: Safeguarding of Machinery Section 9.2 and Section 10.1 - 10.2 and CSA Z142-10: Code for Power Press Operation, Section 11.1.**
- 4.2.2 Interlocking of guards shall comply with **CSA Standard Z432-16 and CSA Z142-10: Code for Power Presses, Section 11.3.1.**
- 4.2.3 The rated tonnage of the press shall be clearly posted on the machine. Overpressure protection shall be provided as stated in **CSA Z142-10: Code for Power Press Operation Section 7.3.2.2.**
- 4.2.4 Emergency Stops shall be red, mushroom-style, self-latching, have a yellow background and not cause a cycle start upon reset. Emergency stops shall be wired through a category 2, safety circuit and be easily accessible to the operator.
- 4.2.5 Emergency stops shall comply with **CSA Standard Z432-16: Safeguarding of Machinery, Section 7.15 and CSA Standard Z142-10: Code for Power Press Operation, Section 7.1.3.**
- 4.2.6 A control reliable hydraulic valve shall be installed to control the motion of the cylinder as indicated in **CSA Z142-10: Code for Power Press Operation, Section 7.1.4.11.**
- 4.2.7 The hydraulic valve and all other safety devices shall be wired through a control reliable safety relay or PLC and shall meet the design requirements of **CSA Standard Z142-10: Code for Power Press Operation, Section 8.**
- 4.2.8 Machine Controls shall be clearly labeled and must comply with **CSA Standard Z432-16: Safeguarding of Machinery, Section 7.11 and Section 16.8 of the Manitoba Workplace Safety and Health Regulations.**
- 4.2.9 **All moving parts of the power transmission system shall be enclosed within fixed barriers which meet CSA Z432-16 design requirements**

5.0 MAKE AND MODEL: ELIGIBLE MODEL- ENERPAC IPR – 10075 OR EQUIVALENT IN ACCORDANCE TO B6. SUBSTITUTES.

5.1 SPECIFICATIONS

**BIDDER TO STATE
 "YES" OR STATE
 DEVIATION**

PRESS

| | | | |
|------|-------------------------|---------------------------------|-------|
| 5.2 | Frame Type | Roll Frame | _____ |
| 5.3 | Capacity | 100 ton (kN) | _____ |
| 5.4 | Height | Approx. 2100 - 3500 mm. | _____ |
| 5.5 | Width | Approx. 1200 - 2000 mm | _____ |
| 5.6 | Weight | Approx. 1600 -1800 kgs. | _____ |
| 5.7 | Cylinder Type | Double Acting, Hydraulic Return | _____ |
| 5.8 | Cylinder Stroke | 333 mm | _____ |
| 5.9 | Pump | Electric | _____ |
| 5.10 | Vertical Daylight (min) | Approx. 100 – 400 mm | _____ |
| 5.11 | Vertical Daylight (max) | Approx. 700 – 1200 mm | _____ |
| 5.12 | Horizontal Daylight | Approx. 900 – 1200 mm | _____ |
| 5.13 | Pressure Gauge | Required | _____ |

BED

| | | | |
|------|-------------|-----------------------|-------|
| 5.14 | Inner Width | Approx. 500 - 900 mm. | _____ |
|------|-------------|-----------------------|-------|

5.15 Length Approx. 1400 – 1900 mm _____

5.16 Height Approx. 700 – 1000 mm _____

V-BLOCKS

5.17 V-Blocks V-Blocks required. _____

SECURITY SAFEGUARDING KIT-

5.18 **Security Safeguarding Kit** (Guarding and integrated safety features to meet listed CSA standards). _____

6.0 WARRANTY

6.1 The warranty for the **100 Ton Roll Frame Hydraulic Press** shall include 100% replacement parts and labour at no cost to the City and shall cover the complete equipment and all parts thereof against defects of workmanship, construction and materials for one (1) year from the date the equipment is put into service by the City of Winnipeg. _____

6.2 All warranty information shall be detailed and include all exclusions. The successful bidder shall provide all published warranty information upon delivery of the equipment. _____

7.0 TRAINING

7.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg Central Repair and Manufacturing Facility located at 215 Tecumseh Street in Winnipeg, Manitoba.

The duration of the training session shall be a minimum of two (2) hours or as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator.

The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Contract Administrator.

7.2 Training Aides: _____

On the type of equipment being offered, state if Operating Manual, Parts Manual and CD Rom training aides or on-line training are available _____

8.0 DELIVERY AND INSTALLATION

8.1 Delivery Point: The complete unit shall be installed, serviced, ready for operation and delivered F.O.B. with the freight prepaid to the City of Winnipeg Central Repair and Manufacturing Facility located at 215 Tecumseh Street, Winnipeg MB. _____

8.2 Delivery Time: **nine to twelve (9-12) calendar weeks** from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. _____

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

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

8.5 Contractor shall install machine and provide all necessary required guarding prior to commission of equipment as outlined in per 4.2.1

9.0 **MANUALS**

9.1 Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.

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

a) Operator's manual – Two (2) per unit
(one operator manual shall be sent to the Equipment Operator Training Branch)

b) Parts and service manuals – One (1) complete set including a preventative maintenance schedule. CDs are preferred

FORM N: DETAILED SPECIFICATIONS 17031B

50 Ton H Frame Hydraulic Press

1.0 DESCRIPTION OF EQUIPMENT

1.1 These specifications describe a **50 Ton H Frame Hydraulic Press** and other Equipment and features as specified herein.

1.2 The **50 Ton H Frame Hydraulic Press** shall be a new 2017 model year or newer.

1.3 The **50 Ton H Frame Hydraulic Press** and all other items/components shall be the manufacturer's latest models. 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 into successful operation shall be furnished as though specifically mentioned in these specifications. The complete equipment, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry

2.0 SERVICE FACILITY

2.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. 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.

3.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

3.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

3.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

3.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

4.0 OTHER SPECIFICATIONS AND STANDARDS

4.1 All applicable CSA standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.

4.2 The **50 Ton H Frame Hydraulic Press** and all its Safety components and attachments shall comply with the applicable regulations. **An Engineered control for point of operation is required to protect the operator and bystanders from point of operation hazards.**

Two (2) calendar weeks prior to the date of delivery, the Contractor is required to provide certification from a Professional Engineer that indicates all safeguarding features integrated within the Hydraulic Press units and supplied attachments meet CSA Standard Z432-16.

Equipment specification, relating **CSA Standard Z432-16: Safeguarding of Machinery** as referenced in Manitoba Regulation 217 /2006 and relevant parts of **CSA Z142-10: Code for Power Press Operation**.

- 4.2.10 Fixed Barrier Guards/Perimeter Guards: Shall be designed to comply with **CSA Standard Z432-16: Safeguarding of Machinery Section 9.2 and Section 10.1 - 10.2 and CSA Z142-10: Code for Power Press Operation, Section 11.1.**
- 4.2.11 Interlocking of guards shall comply with **CSA Standard Z432-16 and CSA Z142-10: Code for Power Presses, Section 11.3.1.**
- 4.2.12 The rated tonnage of the press shall be clearly posted on the machine. Overpressure protection shall be provided as stated in **CSA Z142-10: Code for Power Press Operation Section 7.3.2.2.**
- 4.2.13 Emergency Stops shall be red, mushroom-style, self-latching, have a yellow background and not cause a cycle start upon reset. Emergency stops shall be wired through a category 2, safety circuit and be easily accessible to the operator.
- 4.2.14 Emergency stops shall comply with **CSA Standard Z432-16: Safeguarding of Machinery, Section 7.15 and CSA Standard Z142-10: Code for Power Press Operation, Section 7.1.3.**
- 4.2.15 A control reliable hydraulic valve shall be installed to control the motion of the cylinder as indicated in **CSA Z142-10: Code for Power Press Operation, Section 7.1.4.11.**
- 4.2.16 The hydraulic valve and all other safety devices shall be wired through a control reliable safety relay or PLC and shall meet the design requirements of **CSA Standard Z142-10: Code for Power Press Operation, Section 8.**
- 4.2.17 Machine Controls shall be clearly labeled and must comply with **CSA Standard Z432-16: Safeguarding of Machinery, Section 7.11 and Section 16.8 of the Manitoba Workplace Safety and Health Regulations.**
- 4.2.18 **All moving parts of the power transmission system shall be enclosed within fixed barriers which meet CSA Z432-16 design requirements**

5.0 MAKE AND MODEL: ELIGIBLE MODEL- RK Machinery HFP - 50 OR EQUIVALENT IN ACCORDANCE TO B6. SUBSTITUTES.

| 5.1 <u>SPECIFICATIONS</u> | BIDDER TO STATE "YES" OR STATE DEVIATION |
|--------------------------------------------|---------------------------------------------------------|
| <u>PRESS</u> | |
| 5.2 Frame Type | H Frame _____ |
| 5.3 Capacity | 50 ton (kN) _____ |
| 5.4 Height | Approx. 1700 - 2500 mm. _____ |
| 5.5 Width (Front View) | Approx. 1200 - 1800 mm _____ |
| 5.6 Width (Base Side View) | Approx. 650 – 1200 mm _____ |
| 5.7 Weight | Approx. 500 -750 kgs. _____ |
| 5.8 Cylinder Type | Double Acting, Hydraulic Return _____ |
| 5.9 Cylinder Stroke | Minimum 300 mm _____ |
| 5.10 Pump Type | Electric _____ |
| 5.11 Valve Type | Electric _____ |
| 5.12 Foot Pedal – For Hands free operation | Required _____ |

5.13 Pressure Gauge Required _____
V-BLOCKS

5.14 V-Blocks V-Blocks required. _____

SECURITY SAFEGUARDING KIT

5.15 **Security Safeguarding Kit** Required Guarding and integrated safety features to meet listed CSA standards. _____

6.0 **WARRANTY**

6.1 The warranty for the **50 Ton H Frame Hydraulic Press** shall include 100% replacement parts and labour at no cost to the City and shall cover the complete equipment and all parts thereof against defects of workmanship, construction and materials for one (1) year from the date the equipment is put into service by the City of Winnipeg _____

6.2 All warranty information shall be detailed and include all exclusions. The successful bidder shall provide all published warranty information upon delivery of the equipment. _____

7.0 **TRAINING**

7.1 The Contractor shall be required to provide training (at the Contractor's expense) at the following Winnipeg Fleet Management Agency Locations in accordance with D12.10.

The duration of the training session shall be a minimum of two (2) hours or as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator.

The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Contract Administrator.

7.2 Training Aides: _____
On the type of equipment being offered, state if Operating Manual, Parts Manual and CD Rom training aides or on-line training are available _____

8.0 **DELIVERY AND INSTALLATION**

- 8.1 Delivery Point; The completed units shall be installed, serviced, ready for operation and delivered F.O.B. with the freight prepaid to the following Winnipeg Fleet Management Agency locations:
- Central Repair and Manufacturing facility located at 215 Tecumseh Street in Winnipeg, Manitoba.
 - Major Repair Facility 1000 located at 195 Tecumseh Street in Winnipeg, Manitoba
 - Major Repair Facility 4000 located at 960 Thomas Avenue in Winnipeg, Manitoba
 - Major Repair Facility 6000 location at 1539 Waverly Street in Winnipeg, Manitoba

8.2 Delivery Time: **nine to twelve (9-12) calendar weeks** from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. _____

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

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

8.5 Contractor shall install machine and provide all necessary required safety guarding prior to commission of equipment as outlined in per 4.2.1 _____

9.0 **MANUALS**

9.1 Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available. _____

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

a) Operator's manual – Two (2) per unit
(one operator manual shall be sent to the Equipment Operator Training Branch) _____

b) Parts and service manuals – One (1) complete set including a preventative maintenance schedule. CDs are preferred _____