

REQUEST FOR QUOTATION

NEW SIX WHEEL DRIVE ARTICULATED MOTOR GRADER

Quote No.

2024-024

Bid Closing: December 16, 2024

Joie de vivre



www.westnipissingouest.ca



West Nipissing Quest

**MUNICIPALITY OF WEST NIPISSING
RFQ NEW SIX WHEEL DRIVE ARTICULATED MOTOR GRADER
INSTRUCTION TO BIDDERS**

SECTION 1.0

INVITATION TO QUOTE

The Municipality of West Nipissing is seeking to purchase one (1) new six wheel drive articulated motor grader with a minimum net rating of 270 hp.

Owner: Municipality of West Nipissing
101-225, Holditch Street
Sturgeon Falls, On P2B 1T1
Phone: 705-753-2250
Fax: 705-753-3950

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SECTION 1.0

BID SUBMISSION

- 1.0)** Bid documents must be returned in a sealed envelope clearly marked “six wheel drive articulated motor grader” complete with bidder’s Company name and Bid reference number to the Municipality of West Nipissing town hall, 101-225 Holditch Street, Sturgeon Falls, Ontario P2B 1T1, before 11:00 am(local time) on December 16, 2024 (the “Official Closing Time”).
- 1.1)** Bids will be deemed to have been received when a Municipality representative has stamped the envelope with the time and date of receipt with the time clock located at the Services counter. The time clock located at the services counter is the official time piece. Bids may also be submitted through the exterior drop box at Town Hall, 225 Holditch Street, Sturgeon Falls. Bids submitted through the exterior drop box will be recorded as received when the drop box is opened the following morning.
- 1.2)** Bids submitted by facsimile or electronically will not be considered.
- 1.3)** Bids shall remain open for acceptance by the owner for a period of 60 calendar days from closing.
- 1.4)** All pages contained in the bid documents form an integral part of this bid.
- 1.5)** Section 3.0 must be completed and submitted in the format provided.
- 1.6)** The lowest or any bid will not necessarily be accepted. The owner may decide, at its sole discretion, that no bid submitted will be accepted and no contract will be awarded pursuant to this bid process. If the owner elects to reject all bids, all bidders will be notified and the owner will not be liable to any bidder in preparing the bid, damages, loss of anticipated profit in connection with the work, or any matter whatsoever.
- 1.7)** Bidders are required to check the Municipality of West Nipissing website for addenda issued before the closing date and time. If the contract administrator determines that an amendment is required to the bid documents, the contract administrator will prepare an addenda and post it to the Municipality of West Nipissing website.
- 1.8)** Partial or incomplete bids will not be considered.
- 1.9)** In case of a corporation that has a corporate seal, the corporate seal shall be affixed to the bid form.



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- 1.10)** Bidders are advised that the Municipality functions through its Policy 2006/332 “Validity of Tenders” and its Bylaw 2016/89 “By-Law to Establish Purchasing Policies and Procedures for the Municipality of West Nipissing”, including revisions to those policies passed by Municipal Council.

QUESTIONS AND CLARIFICATIONS

- 2.0)** Enquiries, request for explanation, interpretations or clarifications must be submitted by email to sremillard@westnipissing.ca. Only those inquiries submitted by email will be considered. Emails submitted must include the quotation title and quotation reference number.
- 2.1)** Enquiries will be received up to 11:00 AM local time on December 10, 2024. Enquiries received after the date and time noted will not receive a response.

BID OPENING

- 3.0)** Bids will be opened privately.
- 3.1)** Bid received after the official closing time is considered LATE, and will not be accepted and will be returned unopened to the bidder.

ADJUSTMENT OR WITHDRAWAL OF BIDS

- 4.0)** Adjustment by telephone, facsimile or letter for a bid already received will not be considered. A bidder desiring to make adjustment to a bid must withdraw the submission and/or supersede it with another offer.
- 4.1)** Bidders may withdraw its bid at any time prior to closing provided the withdrawal:
- i) is in the form of a letter and,
 - ii) state the name of the bidder and clearly identifies the bid that is being withdrawn and;
 - iii) is signed by the bidder’s duly authorized signing officer;
- 4.2)** Bids may not be withdrawn after they have been opened and read publicly.

BID DOCUMENT DISCREPENCIES AND OMISSION

- 5.0)** Bidders are responsible to review the bid documents and to verify they are complete. If the bidder finds discrepancies or omissions from the drawings, specifications and other documents,



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the bidder should submit a written request for correction to the contract administrator. Any required correction, addition, deletion or revision to the bid documents will be by written addenda to the bid documents issued by the contract administrator by posting to the Municipality of West Nipissing website.

REQUEST OF APPROVED EQUALS AND ALTERNATIVES

- 6.0)** Request for equals to the material, equipment or methods of fabrications specified, should be submitted in writing to the contract administrator. These requests should contain pertinent data such as specifications, construction and operational characteristics, cost savings etc. in order to assist the contract administrator in his decision. Approvals for equals will be in the form of addenda. The contract administrator is not obligated to review and approve equals prior to the bid closing time.

GENERAL INFORMATION FOR BIDDERS

- 7.0)** The specification describes a motor grader used in the maintenance of highways and municipal roads.
- 7.1)** Municipality's quote form and specification form must be used.
- 7.2)** Dealer must have a service facility within approximately 100 kilometres of municipal yard.
- 7.3)** Preferred delivery date is on or before March 14, 2025. Award date will be January 7, 2025.



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QUOTE FORM**

SECTION 2.0

QUOTE FORM: New articulated motor grader

- 1.1)** I/we recognize the right of the owner to reject any and all bids for any reason without explanation and that the lowest bid may not be necessarily be accepted.
- 1.2)** I/we understand that my/our bid will be subject to rejection unless it is prepared in strict accordance with all the requirements of the bid documents.
- 1.3)** All pricing shall be in Canadian funds, all applicable taxes included with the exception of HST which will be considered as extra to the cost
- 1.4)** I/we hereby acknowledge receipt of the following addenda ____ to ____ forming part of the bid documents **(If none have been received, write the word none)**
- 1.5)** Bids shall remain open for acceptance by the owner for a period of 60 calendar days from closing.
- 1.6)** If a discrepancy is found in the bid form between the unit price and the total amount, the unit prices shall be considered as representing the intention of the bid.
- 1.7)** Bidders are advised that an early delivery date is an important factor in this quote and may be considered in determining the award of the purchase.
- 1.8)** Failure to provide a firm delivery date may result in disqualification of the bid.



**MUNICIPALITY OF WEST NIPISSING
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QUOTE FORM**

FORM OF QUOTE

Articulated Motor Grader

Make _____

Model _____

Year _____ \$ _____

Additional Fees/Tax

_____ \$ _____

_____ \$ _____

_____ \$ _____

HST \$ _____

Total Price for Delivery to Municipality of West Nipissing \$ _____

Optional trade in price on John Deer 2011 \$ _____

Delivery Time (after date of award) _____ **Days after award notification**

Should you be the successful bidder on this RFQ, the Municipality of West Nipissing will deduct \$100 from the invoiced price for every calendar day this delivery is late for any reason based on the above delivery date.



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QUOTE FORM**

SECTION 2.0

Signatures:

Vendor full business name:

Vendor full business mailing address:

Phone No: _____ Fax No.: _____

Email: _____

Signature: _____

I have the authority to bind this company/corporation

NAME: _____ (Please Print)

TITLE: _____ (Please Print)

Dated at _____ this _____ day of _____, 2024

CORPORATE SEAL:

SPECIFICATIONS

Units must comply with the following specifications in all aspects. Alternative components, which meet the requirement of this specification but are not identified in the specification, must be approved by the Purchaser.

| | YES | NO |
|---|-------------------|----|
| Weight | | |
| The basic weight of the grader shall include all standard equipment along with the cab Specify _____ | | |
| Engine | | |
| The engine shall be Diesel, 4 stroke cycle, turbo-charged, Tier 4 compliant. Copy of compliancy to be attached to tender. | | |
| Engine shall be variable horsepower with a minimum net horsepower of 270hp (measured as the power available at rated speed ion the 2000-2200 rpm range, measured at the flywheel when engine is equipped with fan, air cleaner, muffler and alternator) | | |
| Please provide, in the table below, the details and specifications relating to horsepower in each of the gear zones: | | |
| Gear Zone | Horsepower | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Performance | YES | NO |
| Maximum net rim pull shall be developed at a road speed less than 2 mph (rim pull is calculated as total rear weight X .9 friction factor) | | |
| Engine Equipment | | |
| A removable element oil filter | | |
| Air Filter two stage, dry element, ejector, and a restriction indicator, which is clearly visible from the cab | | |



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SPECIFICATIONS**

SECTION 3.0

| | YES | NO |
|---|---------|----|
| Battery(s) -maintenance free, 12-volt, combined CCA rating of (1320} minimum. | | |
| System for cold weather starting | | |
| Block Heater, 750 watt, minimum | | |
| A brushless alternator with a minimum output of 80 Amperes for a 24-volt system, or a minimum of 90 Amperes for a 12-volt system. | | |
| <ul style="list-style-type: none"> Specify Charging | Specify | |
| <ul style="list-style-type: none"> Voltage | Specify | |
| <ul style="list-style-type: none"> Ampere Output | Specify | |
| Antifreeze to -45° | | |
| Transmission | | |
| Transmission shall be designed by the manufacturer to match the engine and shall be either: | | |
| a) A direct drive power shift transmission with eight forward speeds and four reverse speeds, minimum | | |
| b) A full power shift, torque converter transmission with six forward and three reverse speeds, minimum | | |
| Transmission guard to be included | | |
| State component used to control inching movement | Specify | |
| Axles | | |
| Rear axles-tandem drive, oscillating type rear axles | | |
| Differential with lock-up feature in-cab control | | |
| Front axle provided with hydraulic leaning wheels | | |
| Mandatory all-wheel drive | | |
| Tires | | |
| Michelin Snow Plus or Bridgestone Snow Plus IF Not, SPECIFY: | | |
| Tires shall be tubeless type | | |
| Size – Radial 17.5 X 25, 12-ply | | |
| Load Rating -12-ply | | |
| Rim -330 mm (13 in.) wide X 1piece | | |



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| | YES | NO |
|--|------------|-----------|
| REAR spare tire on rim supplied (Optional Extra Cost: \$ _____) | | |
| FRONT spare tire on rim supplied (Optional Extra Cost: \$ _____) | | |
| Steering | | |
| Steering system shall be hydraulic power assisted Specify _____ | | |
| The steering system must provide steering control in case of engine failure | | |
| Frame | | |
| The frame shall be constructed of welded steel members of either box or tubular section, or a combination of these two types | | |
| The minimum vertical section modulus of the front frame shall be 1663cm ³ (101.5 in ³) | | |
| The frame shall be articulated behind the cab | | |
| Frame Warranty | | |
| R.O.P.S and F.O.P.S. Cab | YES | NO |
| R.O.P.S. cab shall meet or exceed SAE J ISO 3471 -1:2004 standard | | |
| F.O.P.S. cab shall meet or exceed SAE J /pr EN ISO 3449:2002 standard | | |
| Weatherproof cab with two operator access doors. | | |
| The cab shall have a minimum inside standing height clearance of 1,625 mm (64 inches) | | |
| A suspension seat with fore/aft, height and backrest tilt adjustment | | |
| 75 mm (3 in.) wide retractable seat belt as per SAE J386 | | |
| Cloth upholstery with seat cover | | |
| Tinted safety glass throughout | | |
| Windshield wipers with washer – front, rear, and two lower level windows | | |



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SECTION 3.0



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| | YES | NO |
|--|-----|----|
| Fresh air heater to maintain a temperature of 21°C inside the cab with temperature of -45°C outside, shall be supplied. The air intake to the heater must be outside the cab. Air to heater from outside must be filtered. Heater to be 31,500 BTU minimum | | |
| Air conditioning with cab pressurizer (28,000 BTU minimum) | | |
| Two outside mirrors to be supplied, 157mm X 406 mm (6" X16") approximately, to be mounted left and right side. 7" convex mirrors also to be included | | |
| Two inside mirrors 157mm X 406 mm (6" X 16") | | |
| Illuminated entry, instrument panel lights, and dome light with separate switch | | |
| Dashboard, cab, and control panel shall be such as to afford the operator, seated or standing, a clear view of the front wheels and blade assembly in all operating positions | | |
| Grab handles for cab entry | | |
| Built in cab radio (factory installed) | | |
| Bluetooth | | |
| Two sealed beam LED plow lights with high and low beam built in integral directional with switch in cab | | |
| Blue and Amber flashing LED work lights controlled by separate switches | | |
| Two-way radio installed by supplier and supplied by municipality | | |
| GPS with attachments position inputs installed by supplier and supplied by municipality | | |
| Noise suppression | | |
| The sound level in the cab shall not exceed 75 dB (A) as ISO 6394:1998 (enclosed cab) | | |
| Brakes | | |
| Service brakes wet disc type on all four wheels of the tandem drive and shall be air or hydraulic power boosted | | |
| Back-up system to provide power braking if engine fails. | | |
| Parking brakes -shall operate independently of the service brake system | | |
| Engine Cover | | |
| The engine is to be completely enclosed by cowling having hinged panels to provide easy access to all parts for service. | | |
| Weather Guards | | |
| All vertical intake and exhaust stacks shall be supplied with weather guards | | |



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| | YES | NO |
|--|-----|----|
| 45° exhaust elbow to be included | | |
| Fenders (Front and Back Wheels) | | |
| Equipment | | |
| Electric horn | | |
| Back up alarm | | |
| Auto greasing system | | |
| Make: Groenveld or approved equal _____ | | |
| Model: Twin EP-2 _____ | | |
| Advanced joystick control | | |
| Electronic grade control/cross slope | | |
| Operator's handbook, shop manual and spare parts list shall be supplied with the grader. | | |
| Vandalism protection | | |
| A lock or locked cover shall be provided to protect the fuel cap, cab doors, engine side panels, hydraulic oil reservoir cap and the radiator cap. | | |
| All locks to be keyed alike. | | |
| Moldboard | | |
| Operating mechanism -moldboard operating mechanism shall be power operated | | |
| It shall be capable of lifting and lowering (bank sloping 90°) side shifting and revolving moldboard | | |
| Dual cylinder powered, forward tilt moldboard shall be supplied | | |
| ¾" Bolt Holes | | |
| It shall be possible to side shift the moldboard hydraulically with reference to the blade circle | | |
| Carbide tapered lock bits | | |



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| | YES | NO |
|--|---------|----|
| Thickness 22 mm (7/8 inch) minimum | Specify | |
| Length shall be 4627 mm (14 feet) minimum | Specify | |
| Height 635 mm (25 inch) minimum | Specify | |
| The moldboard operating mechanism supplied shall include all equipment necessary to allow the moldboard to float when plowing snow. This set up must have been proven in operation and must be such that the moldboard is still fastened to the grader | | |
| Specify set up for floating moldboard | | |
| Hydraulic pump capacity to be minimum 208/gpm (55gpm). Specify capacity _____ | | |
| Craig Model 302-12 Rear mounted snow leveling wing | | |
| Rear mounted snow leveling wing with hydraulic lift and front and rear hydraulically operated wing slides and towers, complete with control levers in the cab and all mounting attachments shall be supplied with float mode | | |
| To be installed to tendered motor grader at time of delivery | | |
| Cutting edge to be manufacturer's standard. | | |
| Two (2) wing wear shoes to be provided. | | |
| All necessary components such as control valves, cylinders, and hydraulic hose to permit the raising and lowering of the snow wing shall be supplied and installed | | |
| All hydraulic quick couplers to be stainless steel type | | |
| Front and rear wing safety chains to be included. | | |
| Installation diagrams to be included. | | |
| Parts manual to be included. | | |
| Overall length of cutting edge 3,658 mm (12 feet) minimum | Specify | |
| Inside height | Specify | |
| Outside height | Specify | |
| 5/8" hole punch | | |

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| | YES | NO |
|---|-----|----|
| Craig model MG-1073 steel One Way snow plow or approved equivalent: | | |
| The One Way plow shall conform with the provisions of MTO standards ES-414, with exception that the dimensions of this specification prevails when the two contradict | | |
| The plow shall operate effectively and without modifications with Craig Universal plow harness MG-100UNI | | |
| The plow shall have a hood extending 18 in. past the vertical C/L in normal operating conditions | | |
| All ribs shall be of one piece construction 100% welded to mold board. The top edge of the moldboard shall be 100% welded to the ribs. | | |
| The moldboard shall be pivoted to allow tilting in various positions | | |
| The moldboard brace rod shall be adjustable for plow angles of 45/50/55 degrees | | |
| The height of the moldboard at the top curve shall be as follows: | | |
| Front end: 31" min. | | |
| Rear end: 54" min. | | |
| Overall length 14'4" min. | | |
| The plow shall be equipped with two high wear drive frame shoes | | |
| No tool shoe adjustment | | |
| The moldboard shall be designed for use with MTO cutting edge ES-505 and with MTO standard nose piece ES-507. Carbide nose piece and carbide cutting edge shall be supplied | | |
| HD triangular trip mechanism | | |
| Two separate lift chains shall be supplied, pick up on drive frame (48" apart approximately) | | |
| Shoes shall oscillate | | |
| A sturdy eye ½" min shall be provided at the center of gravity for safe handling of the moldboard. | | |
| Design and quality shall meet or exceed MTO standards | | |
| Complete nose plow unit shall be set up with float option | | |
| 36" clearance markers shall be installed on each side of the mold board | | |

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| | YES | NO |
|---|-----|----|
| Drive frame shall be equipped with quick attach style swivel bar | | |
| Rubber deflector shall be installed at the top end of the moldboard | | |
| Plow shall be equipped with a safety cable connecting the plow to the front harness. Cable to be provided with a urethane cover wrap. | | |
| Craig MG-100UNI universal plow harness or approved equivalent | | |
| Compatible with Craig, Champion and Viking style plows | | |
| For safety, the lock cylinder control valve shall be mounted in a position to allow the operator visibility of the hydraulic lock pins while performing the lock or unlock function | | |
| Hydraulic plow lift cylinder, double acting 4" diameter with 10" stroke, cylinder rod chrome plated | | |
| Float mode capable | | |
| Miscellaneous | | |
| Spare parts manual supplied | | |
| Signed manufacturer's warranty supplied | | |
| One Day Orientation and Training upon delivery | | |
| Fire Extinguisher | | |
| First Aid Kit mounted in cab | | |
| Specify Warranty period | | |

Units shall be supplied only with grader's standard or advertised optional engine. Graders with non-advertised or altered engine horsepower settings will not be accepted. Only currently advertised and factory approved engine and drive train combinations are acceptable.

This specification covers only the major details of a unit. It is the supplier's responsibility to deliver a fully equipped unit with compatible components to provide dependable, efficient service.

The equipment shall include the standard manufacturer's warranty. A copy of the warranty shall be included with the tender documents. The successful bidder shall supply a fully executed manufacturer's warranty on the equipment.

Warranty shall be effective from the customer's in service date.

