

UZINA DE CONSTRUCTII MASINI HIDROENERGETICE SRL, with the registered office in 1 Golului Street, postcode 320053, locality of Resita, Caras-Severin County, registered with the Trade Register Office under number J202400097110, sole registration number 49594720, IBAN account RO63BTRLRONCRT0682536501 (official logo)

**UZINA CONSTRUCTOARE DE MASINI HIDROENERGETICE SRL REȚIA
(HYDROENERGETIC MACHINE CONSTRUCTION FACTORY Limited Liability Company)**

No. 107/DT 0140/14th of February, 2025

Endorsed

Silviu Dan Avram
(signature, illegible)

Aurel Pinosanu
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Cosmin Ursoniu
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Approved

Dan Cornel Fara
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SPECIFICATION SHEET FOR PRODUCT ACQUISITION

Product: CNC lathe

1. Introduction

The specification document is an integral part of the tender documentation and constitutes the set of requirements on the basis of which each bidder develops the technical proposal.

The specification document obligatorily contains technical specifications. These define, as appropriate and without being limited to the following, characteristics related to quality, technical, and performance levels, operational safety, dimensions, as well as conditions for certifying conformity with relevant standards or similar.

The specification document also specifies the competent institutions from which suppliers can obtain information regarding mandatory regulations concerning occupational safety, fire prevention, environmental protection, which must be adhered to during the execution of the contract and which are in force nationally or specifically in the region or locality where the work is carried out and services are provided, including installation and assembly operations.

In this procedure, the HYDROENERGETIC MACHINE CONSTRUCTION FACTORY plays the role of the contracting entity in the contract.

Prepared by Murgu Cristian - head of DT 0140 technological modernization office (signature, illegible)
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2. Context of product acquisition

2.1 Information about the contracting entity

The HYDROENERGETIC MACHINE CONSTRUCTION FACTORY SRL REȘIȚA is a limited liability company with share capital owned by the Romanian State, with the main activity of producing and repairing hydro energetic components. These are carried out in a responsible manner towards the community and the environment, with a focus on quality and performance.

2.2 Context leading to the acquisition of products; anticipated benefits for the contracting entity

In order to increase productivity and reduce execution times within the production and repair activity of hydroelectric plant components, the acquisition of a CNC lathe is necessary.

Advantages of using a CNC lathe:

- Continuous variation of speed, allowing the desired cutting speed to be used without being limited by the lathe's gearbox and the speed range it offers.
- For turning conical surfaces, the CNC can be programmed to adjust the speed during processing based on the instantaneous diameter of the workpiece, maintaining a constant cutting speed along the cone's generatrix.
- The ability to combine longitudinal feed movement with cross feed movement to achieve an oblique motion, which is necessary for generating conical surfaces.
- Easy operation, with no need for operator intervention until the execution program is complete.
- Depending on the CNC lathe's equipment, a wide range of operations can be performed, such as milling, drilling/boring/threading outside of the lathe's rotation axis, gear cutting.

3. Purpose of acquisition

The CNC lathe will be intended for operation in small and medium-sized machining workshops, where the processing of parts requires a wide range of spindle speeds and feed rates. The types of parts that can be processed on these lathes are those that have cylindrical, conical, or profiled rotational surfaces, either internal or external, as well as threaded surfaces.

The machine offers high flexibility, ensuring a wide range of processing requirements for various hydroelectric components.

4. Required Technical Specifications:

- | | |
|--|----------------|
| • Standard voltage and frequency | 380(400)V/50Hz |
| • Maximum turning diameter | 450 – 800 mm |
| • Machining length | 700 – 2300 mm |
| • Maximum main shaft speed | 3500 rpm |
| • Universal with 3 jaws and hydraulic clamping | D 250 – 400 mm |
| • Positioning accuracy on the "X" and "Z" axes | 0.01 mm |
| • Repeatability accuracy | 0.01 mm |

5. Required Features:

- Multi-touch control panel capable of importing documentation executed in CATIA in electronic format
- Turret with a minimum of 10 positions
- Parts collector for small parts

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- Centralized automatic lubrication system
- Machine equipped with a protective casing and sliding door

6. Availability

It is requested that the availability of the supplied products be 24/7, 7 days/week, ensuring they are operational whenever needed.

7. Warranty

All purchased products must be covered by a warranty.

The warranty period for the supplied products will be a minimum of 24 months from the date of commissioning. The supplier will explicitly present any special warranty conditions, if applicable, to prevent any arbitrary situations regarding this matter. In this regard, if installation or commissioning requires the presence of the supplier, they will be present during these operations at their own expense.

The supplier is responsible and guarantees the qualitative and quantitative fulfillment of the obligations outlined in the specifications for the entire duration of the contract.

During the warranty period, equipment replacement in the event of a malfunction will be done as quickly as possible, with the timeframe defined by the supplier in the offer submitted. The supplier will bear the costs of procurement, installation, and transportation.

Repair of a malfunction will be performed as soon as possible after the report, the timeframe including diagnostic and transportation time. The warranty is automatically extended for the duration of the repairs.

If the product, during the warranty period, requires replacement due to an irreparable defect and that product is no longer manufactured, the supplier will present for acceptance products with similar technical and functional characteristics, so the purchaser can express their choice for the new product that will replace the defective one.

The equipment will be considered non-compliant and will be unconditionally replaced with a similar or equivalent new one if it malfunctions 3 times during the entire warranty period.

8. Delivery, transport, and insurance during transport

Delivery location: UCMH SRL REȘIȚA

Delivery term: 30 days from the date of signing the contract/order

Delivery conditions imposed - final destination according to INCOTERMS 2010 standards

A product is considered delivered when all activities within the contract have been completed, the product is functioning within the agreed parameters, and it is accepted by the contractor.

The products will be delivered both qualitatively and quantitatively to the location indicated by the contractor and will be accompanied by all necessary subassemblies/components for commissioning and maintenance.

Transport and all associated costs are the exclusive responsibility of the supplier.

The supplier is responsible for the timely delivery of the products.

"Second-hand" products, counterfeit products, pirated products, or products likely to infringe intellectual property rights will not be accepted.

9. Installation, commissioning, testing

The supplied product will be installed, commissioned, and tested by the supplier.

10. Staff training for equipment use

The supplier will provide training and schooling for the personnel at the contractor's premises.

11. Technical support

Throughout the contract period and during the warranty, the supplier will provide free technical support.

The supplier will respond in a timely manner to any incident reported by the contractor, depending on the level of the incident.

12. Consumables, parts, and components requiring replacement during the warranty period will be provided free of charge by the supplier.

13. Duties and responsibilities of the parties

Supplier:

- Provide the products in the quantity and quality specified in the awarding documentation.
- Ensure support services in accordance with the specifications in the awarding documentation.
- Guarantee the supplied products.

Contractor:

- Receipt of delivered products
- Payment for received products

14. Documentation provided

- Technical manual/Product presentation sheet specifying product characteristics, installation, commissioning, and operation instructions in both electronic and paper formats, translated into Romanian.
- Declaration of conformity for the product
- Documents proving that the bidder is the manufacturer, its representative, or its distributor in Romania for this type of product.
- Warranty certificate specifying the warranty period for the offered equipment.
- Accompanying notice/fiscal invoice
- Other quality/compliance documents, technical datasheets, verification reports concerning quality conditions, occupational safety, and environmental protection.

15. Product reception

The product reception will be carried out based on an acceptance report signed by both the supplier and the contractor as follows:

- Quantitative reception will be made after the delivery of products in the requested quantity to the location indicated by the contractor.
- Qualitative reception will be done after installation, commissioning, and testing of the products, and if applicable, once all deficiencies have been corrected.

The acceptance report will include one of the following outcomes:

- Accepted
- Accepted with minor remarks
- Accepted with reservations
- Rejected

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16. Payment terms and conditions

Payments to the supplier will be made within 30 days from the date of issuance of the original fiscal invoice and all supporting documents, following this payment schedule:

- 10% advance based on an advance assurance document
- 30% of the amount upon delivery of the equipment
- 30% after the installation of the equipment
- 20% after commissioning and testing
- 10% after the warranty period.

The invoice will be issued after the contractor signs the quantitative and qualitative reception report of the delivered/performed products/services.

The quantitative and qualitative reception report will accompany the invoice and represents the necessary document for payment along with the other supporting documents listed below:

- Quality and warranty certificate
- Declaration of conformity
- Product shipping notice
- Quantitative and qualitative receipt report (NIR)

Each invoice will include the contract number, the issue date, and the due date of the respective invoice.

The invoice will be sent in original to the address specified by the contractor.

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