

Department of Aerospace Engineering
Indian Institute of Technology, Kanpur

Enquiry No.: AE/SKMR/2024-25/EDM

Opening Date: February 11, 2025

Closing Date: February 21, 2025

Subject: CNC Wire cutting EDM Machine

Quotation for the item mentioned above is requested in a sealed envelope. The quotation should reach on or before February 21, 2025, to the address given below.

Specifications

CNC wire cutting machine to cut various metal, alloy and special material as per our design.

- L M Guide Ways & Ball Screw for X, Y Axis
- Coolant tank with high-pressure pump
- Clamping KIT for job-holding
- Two Axis DRO
- Job holding bridge pair
- Wire vertical block

Machine Parameters

1. X mm- 450
2. Y mm -350
3. Parallel to X & Y axis (U&V) -35mm
4. Work tank- 650*450mm
5. Maximum load-300 kg
6. Maximum thickness of cut- 300 mm
7. Electrode wire diameter mm - ϕ 0.15 to ϕ 0.20
8. Electrode wire material- copper, Molybdenum
9. Stepper motor 5 phase, single pole
10. Upper and lower flushing control with LPM meter
11. Coolant tank with 10 micron filter element for fine water filtering

Controller Feature: -

- Industrial LCD monitor 17-inch, single screen easy to use operation.
- Operating system WINDOWS10 or latest.
- Machining parameter setting with multipass option.
- Programmable 2 axis & 4 axis operation support.
- Parameter selection as per machining and current requirement.
- Safety interlocks.

- Low maintenance cost.
- Low power consumption.
- panel ac for controller
- within 24 hour on site service support

Control System	Industrial PC with LCD monitor
Display	Graphic display for wire cutting path
Axis	4 axis control with stepper motor
Resolution	0.001mm
Interpolation	Linear & circular
Programming	Incremental
Least commanded input	0.001mm
Data input/output system	USB port
Connected load	2 KVA,3 Phase, 415V, 50Hz
Panel AC	Panel AC for controller
Servo stabilizer	6 KVA

Other Terms & Conditions: -

Validity	90 Days from the date of quotation.
GST	Should be mentioned separately.
Payment Terms	90% after delivery & balance 10% after installation.
Delivery Period	60 days after receipt of Purchase Order.
Prices	FOR IIT Kanpur
Warranty	2 years at least
ATC Documents	ATC documents should be provided in the format attached.

Address for correspondence:

Dr. Sanjay Kumar
 (Professor)
 Department of Aerospace Engineering,
 Indian Institute of Technology, Kanpur
 KANPUR-208016 UP
 Email: skmr@iitk.ac.in
 Phone: 0512-259-6768

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date: _____

To,
The Officer-in-charge
Central Stores & Purchase
IIT Kanpur-208016

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: - _____

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:
_____ as per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Certificate for Tender
(To be given on Company Letter Head)

Date: _____

To,
The Officer-in-charge
Central Stores & Purchase
IIT Kanpur-208016

Sub: Certificate of compliance as per Rule 144 (xi) GFR's 2017

Tender Reference No: _____

Name of Tender / Work: -

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Declaration for Local Content

**(To be given on OEM Letter Head - For tender value below Rs.10 Crores)
(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for
tender value above Rs.10 Crores)**

Date: _____

To,
The Officer-in-charge
Central Stores & Purchase
IIT Kanpur-208016

Sub: Declaration of Local content

Tender Reference No: _____

Name of Tender / Work : _____

1. Country of Origin of Goods being offered: _____
2. We hereby declare that items offered has _____% local content.
3. Details of location(s) at which the local value addition is made: _____

“Local Content” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*“*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.”*

**Yours Faithfully,
(Signature of the OEM, with Official Seal)**

Bid Security Declaration
(To be given on Company Letter Head)

Date: _____

To,
The Officer-in-charge
Central Stores & Purchase
IIT Kanpur-208016

Sub: Certificate for bid security declaration

Tender Reference No : _____

Tender ID : _____

Name of Tender / Work: -

"I/We have read the clause regarding Bid Security Declaration/Earnest Money Deposit and I/We are fully aware that if I/We withdraw or modify the bid during the period of validity I may be suspended for a period of 3 years ."

Yours Faithfully,
(Signature of the Bidder, with Official Seal)