



NATIONAL INSTITUTE OF TECHNOLOGY, Tiruchirappalli 620 015

DEPARTMENT OF PRODUCTION ENGINEERING

NOTICE INVITING QUOTATIONS

File No.	NITT/F.No:038/REVEX(OH-31)/2025-26/PRO	Date:	27-01-2026
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To

(Supplier Address)

Sealed quotations are invited from reputed Authorized Dealers / manufacturers for the supply of the Items.

Name of the Item		: Servicing of Electrical Discharge Machine (Sparkonix MOS 35 A)
Quantity Required		: 1
Specifications		: As per Annexure-I
1.	Quotation Reference No.	: NITT/F.No:038/REVEX(OH-31)/2025-26/PRO
2.	Last date and Time for receipt of quotation	: 17-02-2026 before 12.00 PM
3.	Date & Time of opening of Quotation	: 17-02-2026 at 03.00 PM
4.	EMD Amount	: Rs.7,000/- (To be paid through SBI collect)
5.	Validity (Days)	: 90 Days
6.	Address to which quotations are to be sent	The Director, National Institute of Technology, Tiruchirappalli – 620 015, Tamil Nadu, India
	Kind attention to	: Dr.V.SATHEESHKUMAR
	Phone No	: 0431-250 3500
	E-mail	: satheeshv@nitt.edu

1. Quotations should be submitted in the format given in Annexure-I and Annexure-II
2. The envelope should contain the following details:

“QUOTATIONS AGAINST ENQUIRY”

Name of the item: Servicing of Electrical Discharge Machine (Sparkonix MOS 35 A)

File No:NITT/F.No:038/REVEX(OH-31)2025-26/PRO

Purchase Initiator: Dr.V.SATHEESHKUMAR

Department: Production Engineering

Last date and Time for receipt of quotation: 17-02-2026 before 12.00 PM



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Earnest Money Deposit (EMD)

1. Earnest Money Deposit (EMD) is to be submitted through SBI collect link as below. The bids submitted without EMD will be treated as non-responsive and will be rejected. EMD shall bear no interest.
2. Bidder must fill the EMD returning Form (Annexure-III) and submit along with the quotation.
3. EMD will be returned to the unsuccessful Bidder(s) as per the purchase norms.
4. The EMD shall be forfeited if any Bidder withdraws the offer before finalization of the tender.
5. UDYAM & NSIC registered Micro & small enterprises are exempted from paying EMD amount as per Govt. norms (proof to be attached). For availing EMD exemption, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. In respect of bid for Services, the bidder must be the Service provider of the offered services. Traders/Distributors/agents are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises.
6. EMD is also acceptable in other forms as per GFR Norms.

EMD amount

Rs.7,000/-

SBI Collect Link mode
(Payment Category-
NITT Tender- Earnest
Money Deposit).

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=1768557>

The bidder must enclose SBI collect receipt along with the quotations, failing which the bid shall be rejected without any further communication.



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Terms and Conditions:

1.	The quotation must be in the format furnished by NIT Tiruchirappalli and should be free from corrections/erasures. In case there is any unavoidable correction it should be properly attested. If not, the quotation will not be considered. Quotation written in pencil and incomplete will be rejected.
2.	You are invited to submit your most competitive quotation for the supply of goods according to the specifications and delivery terms as given.
3.	The Bidders have to submit manufacturers authorization Letter from OEM along with the quotation, otherwise offer will not be considered, the same will be rejected.
4.	Bidders may send the quotations in sealed covers with the quotation reference number and last date for receipt of quotations duly superscribed on the cover. Mention the company Contact Number / E-mail id on the cover.
5.	Quotation will be opened on due date at 17-02-2026 at 03.00 PM at Stores & Purchase Section, NIT, Tiruchirappalli in presence of the tenderers or their representatives who may wish to be present. (Any change in the date, time and venue of the quotation opening will be informed to the bidders through telephone / E-mail)
6.	The National Institute of Technology, Tiruchirappalli reserves the right to accept or reject any quotations, and to cancel the bidding process, and reject all quotations at any time prior to the award of order without assigning any specific reason thereof.
7.	Manufacturer's name and country of origin of materials offered must be clearly specified. Printed brochures, Purchase preference is only for Micro & Small enterprises (MSE's) register in UDYAM Portal or NSIC as per Ministries policy for MSE's . Proof to be attached.
8.	All supplies are subject to inspection and approval before acceptance. Manufacturer / supplier warranty certificates and manufacturer / Government approved lab test certificate shall be furnished along with the supply, wherever applicable
9.	National Institute of Technology, Tiruchirappalli reserves the right to modify the quantity specified in this enquiry.
10.	Startup company exempted from prior turnover & prior experience (startup certificate registered with DIPP should be enclosed)
11.	The bidder has to submit the bids in sealed envelope, (separate for each tender). Further Bidder should not send clubbing many tenders in one envelope, in such case all the bids will be rejected.
12.	Bid Price a. The contract shall be for the full quantity Bidders must quote for entire quantity. Each bidder shall submit only one quotation in Indian Rupee only. b. Post work orders & completion certificate should be submitted, wherever applicable. c. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. d. GST, packing, forwarding and delivering other allied items at the destination shall be included in the price. All such price components may be shown in the quotation. If there is no indication regarding above charges. It will be considered as inclusive of all charges. e. If any arithmetic mistake in total / GST calculation is observed, the same shall be corrected by the purchaser with an intimation to bidder



	<p>f. In case the items in the enquiry are covered by any rate contract or any other state or central Government, it should be specified in your quotation and accepted contract rates should also be mentioned. It should be confirmed whether you could supply at the RC rates outside rate contract</p> <p>g. Quotations containing conditions like “subject to prior sale” may not be considered.</p> <p>h. Delivery period required for supplying the material should be invariably specified in the quotation</p> <p>i. Bids without quoting GST (unless exempted) will be treated as invalid & disqualified.</p> <p>j. If there is a discrepancy between unit price and total price, the unit price will be considered. If there is any mismatch between figure and word, the amount in word shall prevail.</p>
13.	<p>Evaluation of quotations: The purchase committee will evaluate and compare the quotations determined to be substantially responsive i.e. (i) are properly signed; (ii) Conform to the terms & conditions and specifications; and (iii) price offered are competitive.</p>
14.	<p>Award of contract</p> <p>a. The National Institute of Technology, Tiruchirappalli will award the Order for supply of Goods / Services to the bidder whose quotation has been determined to be substantially responsive, and who has offered the lowest evaluated quotation price.</p> <p>b. The Bidder should furnish the contract agreement and performance security within 15 days from the date of receipt of the order for supply of goods / services, failing which the order will be cancelled without further notice and awarded to next eligible bidder.</p> <p>c. Notwithstanding the above, National Institute of Technology, Tiruchirappalli reserves the right to accept or reject any quotations, and to cancel the bidding process, and reject all quotations at any time prior to the award of order without assigning any specific reason thereof.</p> <p>d. National Institute of Technology, Tiruchirappalli, prior to the expiration of the quotation validity period, will notify the bidder whose bid is accepted for the award of contract. The terms of accepted offer shall be incorporated in the purchase order.</p>
15.	<p>Warranty: 12 Months</p>
16.	<p>Performance Security: Security deposit should be 3% of purchase order value in case of Performance Bank Guarantee should be valid for 60 days beyond the guarantee & warranty. The successful bidder need to submit performance security <u>(As mentioned in Annexure –I)</u> of purchase order value either in the form of bank guarantee or crossed demand draft drawn on any Nationalized bank in India in favor of “The Director, NIT, Tiruchirappalli” payable at Trichy. The bank guarantee / Demand Draft will be returned to the supplier after 60 days from date of successful completion of supply, installation, and the warranty period.</p>
17.	<p>Payment: 100% will be paid after Installation and satisfactory working/date of completion of service if the documents are in order. The bill should be raised in favor of “The Director, National Institute of Technology, Tiruchirappalli, Tamil Nadu, India.” with institute GST No. 33AAATN5491Q1ZZ. No advance will be provided to the supplier and installer.</p>



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18.	Liquidity damages If the bidder / supplier, after accepting the Purchase Order or supply of Goods / Services, fails to deliver any or all of the Goods or to perform Services within the period(s) specified in the Order, The National Institute of Technology, Tiruchirappalli shall impose penalty without assigning any reasons to the bidder / supplier a sum equivalent to 0.50 % of the total cost as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof of delay until actual delivery or performance is completed and such penal charges shall be limited to a maximum of 5% of the agreed price. Once the maximum is reached The National Institute of Technology, Tiruchirappalli, may proceed on its own to consider the termination / cancellation of the Order and may inform the bidder about the cancellation of the said purchase order. unless extension is obtained in writing from the office / Department on valid ground before expiry of delivery period
19.	If the deliveries are not maintained and due to that account Procuring Entity is forced to buy the material at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier
20.	Dispute clause: Any dispute relating to the Enquiring /Tender of the indented item shall be under the Hon'ble Court having its jurisdiction over Tiruchirappalli only
21.	Startup company exempted from Prior Turnover & Prior Experience (Startup certificate registered with DIPP should be enclosed)
22.	GST as applicable
23.	Performance Bank guarantee should be valid for 60 days beyond the guarantee & warranty and the BG submitted for EMD shall be valid for 45 days beyond bid validity period.
24.	The successful bidder should submit Security Deposit/PBG within 15 days from the date of placement of order. The EMD shall be returned only after receipt of SD. If the bidder fails to deliver the material, then the EMD/SD shall be forfeited.



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ACCEPTANCE BY THE BIDDER

I/We hereby certify that I/We shall abide hereby the terms and conditions and the Annexures of this limited quotation.

Signature & Seal of Vendor with Date

For any details / clarifications regarding could be obtained from Stores and Purchase Section on all working days during 10 AM to 5 PM.

For further detail related to Technical specifications kindly contact **Dr.V.Satheeshkumar** (Purchase initiator), **DEPARTMENT OF PRODUCTION ENGINEERING**, Mail ID: **satheeshv@nitt.edu**, Ph.0431-2503500

(NB: Mention the Contact Number / E-mail on the cover. Any change in the date, time and venue of the tender opening will be informed to the bidders through telephone / E-mail)

Enclosures:	a) Specifications of the equipment	Annexure – I
	b) Price Format	Annexure – II
	c) EMD Return Format	Annexure – III
	d) Bank Mandate Form	Annexure – IV



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Annexure- I

Specifications of the Equipment

Ref:NITT/F.No:038/REVEX(OH-31)/2025-26/PRO

Date:27-01-2026

S.No	Technical Specifications of NIT-T	Specifications of the supplier (No hand written)	Supplier commitment
	Item name: Servicing of Electrical Discharge Machine (Sparkonix MOS 35 A)		
	Technical Specifications:	As per Annexure-A	
	Installation required	Yes	
	Warranty (in Month)	12 months	
	Comprehensive AMC required	No	
	Delivery Period	2 Weeks	
	Shipment terms	At NIT-T	
	Payment Terms	100% Payment after satisfactory delivery/Installation	
	Performance Security in %	3%	
	EMD Amount 2%	Rs.7,000	

Signature & Seal of Vendor with Date

Note:

Specifications of the Supplier should be given in detail, single word confirmation like Complied / No / same will be treated as non - responsive Bid and summarily rejected.

Proof for the supplier's specification must be enclosed along with the quotations. (catalogue, brochure, and product website link if any)



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Annexure-A

TECHNICAL SPECIFICATIONS

Machine Tool Specifications (S 35 Model) for Service

Parameter	Specification
Work Tank (L x W x H)	800 x 500 x 325 mm
Work Table (L x W)	550 x 350 mm
X Travel	300 mm
Y Travel	200 mm
Z Travel	200 mm
Max Job Weight	300 kgs
Max Job Height	275 mm
Dielectric Tank Capacity	325 liters
Net Weight	1000 kgs.

35 A Pulse Generator Specifications

Parameter	Specification
Current	35 Amps
Power Consumption	4 KVA
Power Supply	415 V, 3 Phase, 50 Hz
Material Removal Rate (Steel)	280 mm ³ /min.
Minimum Electrode Wear	0.3%
Max Electrode Weight	50 Kg
Control System (Manual)	Micro Processor based with Hand Pendant digital display .



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Detailed Scope of Work (SOW)

Objective: To restore the EDM to **full, production-ready operational status** and provide necessary training to machine handling personnel.

The bidder must provide a **Turnkey Solution**, encompassing all phases below, ensuring the machine is left in a "plug and play" state.

Phase A: Inspection and Diagnosis

1. **Mandatory Site Visit:** A certified service technician must conduct the initial inspection.
2. **Fault Diagnosis:** Perform comprehensive diagnosis.
3. **Required Deliverable:** Submit a **Formal Root Cause Analysis (RCA) Report** detailing the fault, the required OEM/equivalent parts list, and the estimated labour hours **for review and approval** prior to commencing physical repairs.

Phase B: Repair and Restoration

1. **Faulty Component Repair/Replacement:** Repair or replace **all** faulty components identified in the approved RCA report, utilizing **Original Equipment Manufacturer (OEM) parts** or explicitly approved equivalents.
2. **Subsystem Servicing:** Execute thorough cleaning and service of related subsystems.
3. **Dielectric Fluid Management:**
 - Drain and dispose of the existing dielectric fluid (Contractor responsibility for adherence to environmental regulations).
 - **Replace/Refill with new, appropriate EDM oil/dielectric fluid** up to the required operating level.
4. **Calibration:** Conduct a **full system calibration and alignment** (axes, power supply, flushing pressure) to restore the machine to its manufacturer's factory precision specifications.

Phase C: Testing, Commissioning, and Training

1. **Commissioning Test:** Perform a **minimum 8-hour** continuous operational test run under load, cutting a steel block with complex pocket geometry.
2. **Quality Verification:** The final machined test piece must meet the required dimensional tolerances.
3. **Documentation Handover:** Provide a complete packet including:
 - Final Service Report and Checklist.
 - Itemized list of all parts replaced (with part numbers and serials).
 - Warranty Certificates.
 - Revised preventative maintenance (PM) schedule post-repair.
4. **Basic Operation Training :** Provide **minimum 4 hours of hands-on training** to the designated handling personnel, covering:
 - Post-repair operational checks and error code interpretation.
 - Basic troubleshooting and machine recovery procedures.
 - Proper use and maintenance of new/repaired components.

Warranty Requirements:

- The bidder shall provide a **12-month** comprehensive warranty covering both parts and labour related to the scope of work.



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- **Guaranteed Response Time:** During the warranty period, the bidder must guarantee a maximum **48-hour** on-site response time for any related failure.

Safety and Compliance:

- **Full Responsibility for Safety:** The Bidder shall be **solely and entirely responsible** for the safety and security of its personnel, equipment, and methodologies during the entire tenure of the contract, including the site visit, repair, and testing phases.
- **Turnkey Requirement:** The bid must be inclusive of all costs—including labour, travel/stay for technicians, freight for spares, and costs of specialized calibration tools.

Signature & Seal of Vendor with Date

Note:

Specifications of the Supplier should be given in detail, single word confirmation like Complied / No / same will be treated as non - responsive Bid and summarily rejected.

Proof for the supplier's specification must be enclosed along with the quotations. (catalogue, brochure, and product website link if any)



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Annexure- II

PRICE BID FORMAT FOR BIDDERS

Quotation Ref No. & Date: NITT/F.No:038/REVEX(OH-31)/2025-26/PRO

Bidder's Offer No. & Date :

S.No.	Description of items	Unit (Set / No)	Qty	Rate / Qty in Rs. (excluding GST)	GST in Rs.			Total Value + GST (Rs)
					SGST	CGST	IGST	
1.	Servicing of Electrical Discharge Machine (Sparkonix MOS 35 A) Specifications: As per Annexure-I Make: Sparkonix Model: MOS 35 A	Nos	1					
2.	Other accessories / spares etc. as given in scope of supply (Individual item-wise break-up price shall be attached as an annexure to this price bid format.)							
3.	Installation and Commissioning							
4.	Packing & Forwarding charges (extra, if any)							
5.	Freight & Transit insurance charges (extra, if any)							
6.	Total price							
7.	Value of Annual Maintenance Contract							
8.	Net cost to be paid by NIT-T							

Signature & Seal of Vendor

Note:

The price quoted should be in Typed format only as per the above form. Hand written quotes will be rejected. No row shall be left blank, Kindly mention NA in case the item is "Not Applicable". If this format is not used or any column is left blank, then the bid will be rejected. AMC Value will not consider for arriving L1 bidder.



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Annexure-III

EMD Returning Form

To,

The Director
National Institute of Technology,
Tiruchirappalli – 620 015

Sub: Returning EMD amount

Sir / Madam,

Our firm has participated in the tender / quotation enquiry No mentioned below and produced the EMD amount through SBI collect, details are given below.

Tender / Quotation Reference No	
EMD amount	
Transaction Number	
Transaction Date	

It is requested to return the EMD amount to our firm after completion of the purchase to the below mentioned Bank account.

Account Name	
Bank Account Number	
IFSC code	
Bank	

Signature with Seal and Date



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Annexure-IV

(TO BE PRINTED IN LETTER PAD OF THE FIRM)

MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

Date:

The Director,
National Institute of Technology,
Tiruchirappalli – 620 015,
Tamil Nadu

Sub :	Authorization for release of payment / dues from National Institute of Technology, Tiruchirappalli through Electronic Fund Transfer/RTGS Transfer.
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1. Name of the Party / Firm / Company / Institute :
2. Address of the Party :
3. City _____ Pin Code _____
4. E-Mail _____ Mobile No: _____
5. Permanent Account Number _____
6. Particulars of Bank:

Bank Name:		Branch Name:	
PIN Code:		Branch Code:	
IFS Code:(11 digit alpha numeric code)			
Account Type	Savings	Current	Cash Credit
Account Number:			

DECLARATION

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold Director, National Institute of Technology Tiruchirappalli responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

Place: _____ Date: _____

Signature & Seal of the Authorized Signatory of the Party