

Request for Quote (RFQ)

This is a Request for Quote (RFQ) from domestic (India-based) bidders, for the supply and installation of a Wire Bonder at CeNSE, IISc Bangalore.

Section 1 – Bid Schedule

1	Tender No	IISC-CeNSE-
2	Tender Date	11 th August 2026
3	Item Description	Supply and installation of Wire Bonder at CeNSE, IISc Bangalore
4	Tender Type	Two bid system (i) Technical Bid (Part A) (ii) Commercial Bid (Part B)
5	Place of tender submission	Chairperson Office First Floor Centre for Nanoscience and Engineering Indian Institute of Science, Bangalore 560012
6	Last Date & Time for submission of tender	5 th September 2026
7	For further clarification	Prof. Gayatri Pillai Centre for Nanoscience and Engineering Indian Institute of Science, Bangalore 560012 Email: gpillai@iisc.ac.in

Section 2 – Eligibility Criteria

Prequalification criteria:

1. The Bidder's firm should have existence for a minimum of 5 years. (Enclose Company Registration Certificate)
2. The Bidder should belong to either Class 1 or Class 2 supplier, distinguished by their "local content" as defined by recent edits to GFR. They should mention clearly which class they belong to in the cover letter.
 - a) Class 1 supplier: Goods and services should have local content equal to or more than 50%.
 - b) Class 2 supplier: Goods and services should have local content equal to or more than 20% and less than 50%.
3. Quote should come only from an Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.
4. The quotations should be on FOR-IISc Bangalore basis in INR only.
5. Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as a Class-1/Class-2 local supplier by claiming services such as transportation, insurance, installation, commissioning, training, and other after-sales service support like AMC/CMC etc. as local value addition.
6. Purchase preference as defined by the recent edits to GFR (within the "margin of purchase preference") will be given to Class-1 suppliers.
7. MSMEs can seek exemption to some qualification criteria. IISc follows GFR 2017 for such details.
8. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per Annexure 4.

9. The Bidder must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere. A declaration to this effect has to be given as per Annexure 3.

Section 3 – Terms and Conditions

A) Submission of Tender

1. All documentation in the tender should be in English.
2. Tender should be submitted in two envelopes (two-bid system).
 - a. Technical Bid (Part A) – consisting of all technical details and a checklist for conformance to technical specifications. The technical proposal should contain a technical compliance table with 5 columns:
 - i. Column 1: technical requirements, in the order given in the technical requirements below.
 - ii. Column 2: specifications of the instrument against the requirement, with quantitative responses wherever possible.
 - iii. Column 3: compliance, stated as "Yes" or "No" only, consistent with column 2.
 - iv. Column 4: reasons/explanations/context for deviations, if any.
 - v. Column 5: additional remarks from the OEM — technical features, qualifications, comparisons, or details requested in the technical requirements table.
 - b. Commercial Bid (Part B) – indicating item-wise price for the items mentioned in the technical bid, per the format of quotation provided in the tender, along with other commercial terms and conditions.
3. The technical bid and price bid should each be placed in separate sealed covers, superscripted on both envelopes with the tender number and due date. Both sealed covers are to be placed in a bigger cover, which should also be sealed and duly superscripted with the Tender No., Tender Description & Due Date.
4. The sealed cover, superscripted with tender number/due date, should reach the Chairperson Office, Centre for Nanoscience and Engineering, Indian Institute of Science, Bangalore – 560012, India, on or before the due date mentioned in the tender notice. If the due date falls on a holiday, the tender will be accepted and opened on the next working day. If the quotation cover is not sealed, it will be rejected.
5. All queries are to be addressed to the person identified in Section 1 – Bid Schedule of the tender notice.
6. GST/other taxes and levies are to be indicated separately. The bidder should mention GST Registration and PAN in the tender document.
7. If the price is not quoted in the Commercial Bid as per the format provided, the bid is liable to be rejected.
8. The purchase committee reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to the award of contract, without incurring any liability or obligation to inform the affected bidder(s).
9. Incomplete bids will be summarily rejected.

B) Cancellation of Tender

Notwithstanding anything specified in this tender document, the IISc purchase committee, in its sole discretion, unconditionally and without having to assign any reason, reserves the right to:

- a. Accept or reject the lowest tender, any other tender, or all tenders.
- b. Accept any tender in full or in part.
- c. Reject the tender or an offer not conforming to the tender terms.

C) Validity of the Offer

The offer shall be valid for 30 days from the date of opening of the commercial bid.

D) Evaluation of Offer

1. The technical bid (Part A) will be opened first and evaluated.
2. Bidders meeting the eligibility criteria as stated in Section 2 shall only be considered for Commercial Bid (Part B) opening. Agencies not furnishing the required documentary evidence will not be considered.
3. Pre-qualification of bidders shall not imply final acceptance of the Commercial Bid. An agency may be rejected at any point during technical or commercial evaluation. Acceptance/rejection of any offer, in part or full, shall be at the sole discretion of IISc Bangalore, and binding on the bidders.
4. Award of contract will be subject to acceptance of the terms and conditions stated in this tender.
5. Any offer that deviates from the vital conditions (illustrated below) of the tender is liable to be rejected:
 - a. Non-submission of complete offers.
 - b. Receipt of bids after the due date and time, and/or by email/fax (unless specified otherwise).
 - c. Receipt of bids in open condition.
6. If a bidder is silent on any clause in this tender document, IISc Bangalore shall construe that the bidder has accepted the clause, and no further claim will be entertained.
7. No revision to the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.
8. The lowest bid will be calculated based on the total price of all items tendered — basic equipment along with accessories for installation, operation, pre-processing and post-processing, optional items, recommended spares, warranty, and AMC. The purchase committee seeks the most cost-effective solution for obtaining a new tool. Vendors are encouraged to propose all avenues, including buy-back of the existing tool, turnkey upgrade of the existing tool, or purchase of a new tool.

E) Pre-requisites

The bidder will provide the prerequisite installation requirements of the equipment along with the technical bid.

F) Warranty

The complete system is to be under warranty for a minimum period of 3 years (year-wise breakup value should be shown in the commercial bid). The vendor should include the cost of any spares expected to be needed during the warranty period, including electronics, subcomponents, and software. Vendors can assume usage of 1000 hours/year for this calculation. If the instrument is found defective, it has to be replaced or rectified at the bidder's cost within 30 days of receipt of written communication from IISc, Bangalore. Any delay in replacement or rectification will correspondingly extend the warranty period.

G) Annual Maintenance Contract

An Annual Maintenance Contract (AMC) for a period of at least 3 years post-warranty should be provided as an essential optional item on completion of the warranty period. AMC costs will not be considered towards classifying the domestic nature (Class 1 or Class 2) of the vendor (see eligibility criteria in Section 2).

H) Spares

CeNSE, IISc is procuring the Wire Bonder for qualifying new technologies. Vendors have to provide a detailed list of spares and a user manual with a bill of materials for all parts, including manufacturer part number, quantity, and stock availability after 3 years.

I) Purchase Order

The quantity of items in the tender is indicative only. IISc, Bangalore reserves the right to increase/decrease the quantity of items depending on requirement. If the quality of the product/service provided is not found satisfactory, IISc, Bangalore reserves the right to cancel or amend the contract.

J) Delivery, Installation and Training

The bidder shall provide the lead time for delivery, installation, and commissioning at IISc, Bangalore from the date of receipt of the purchase order. The system should be delivered, installed, and made functional within 90 days from the date of receipt of the purchase order. Supply of items will be considered effected only upon satisfactory installation and inspection of the system and all items/features/capabilities by IISc, Bangalore. The date of taking over the entire system shall be the start of the warranty period. No partial shipment is allowed. The bidder should also arrange technical training for local facility technologists and users.

K) Payment Terms

100% payment (except AMC) will be released after completion of delivery and satisfactory installation, subject to TDS as per rules. AMC cost (if ordered), after completion of warranty period, will be released on a half-yearly basis at the end of each six months, subject to satisfactory services. Price basis must be FOR-IISc Bangalore only. As per GFR, no advance payment can be made to domestic vendors unless an equal amount of bank guarantee is provided.

L) Statutory Variation

Any statutory increase in taxes and duties subsequent to the bidder's offer, if it takes place within the original contractual delivery date, will be borne by IISc, Bangalore, subject to the claim being supported by documentary evidence. If a decrease takes place, the advantage will be passed on to IISc, Bangalore.

M) Disputes and Jurisdiction

Any legal disputes arising out of a breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Bangalore, India.

N) General

1. All amendments, time extensions, clarifications, etc., within the tender submission period will be communicated electronically. No extension in the bid due date/time shall be considered on account of delay in receipt of any document(s) by mail.
2. The bidder may furnish any additional information necessary to establish capabilities to successfully complete the envisaged work. It is advised not to furnish superfluous information.
3. The bidder may visit the installation site before submission of the tender, with prior intimation.
4. Any information furnished by the bidder found to be incorrect, either immediately or at a later date, would render the bidder liable to be debarred from tendering/taking up work at IISc, Bangalore.

Section 4 – Technical Specifications

Technical Specifications for Semi-Automatic Wire Bonder

SI No	Parameter	Specification
G	Application	This system is required to bond wires and ribbons on MEMS devices, RF packages & Flat substrate (PCB & Ceramic) etc. type circuits which include semiconductor chips & package.
	Machine Capability	Ultrasonic as well as thermosonic
1	Wire bonder should be capable to bond	- Ball bonding - Wedge bonding - Ribbon bonding - Bump-bonding
2	Wire Au & Al	17μ to 75μ
3	Ribbon wire Au	25μ x 250μ
4	Bond Tool depth access	11 to 16 mm
5	Wire feeding Angle	90 Deg
6	X-Y Table Movement	Manipulator
7	Z axis movement (Head Movement)	Motorized & also Z axis movement should be controlled manually
8	X axis	Manual
9	Y axis	- Manual or Motorized – (Motorized during bonding control the loop) - Separate quotations for both manual and motorized options
10	Ultrasonic System	Frequency in range of 60 KHz to 65 KHz
11	Ultrasonic Power	0 to 10 Watts or better
12	Bond Time	0 to 20000 milliseconds or better
13	Bond Force	10 to 150 grams or better
14	Bond Actuation	Using sensor at bond surface contact Touch down sensor
15	Work Stage	- Adjustable height heater stage 200°C or more - Temperature control 25°C to 250°C in machine 90 mm (Min) diameter - Clamping & vacuum system
16	Supply Voltage @ 50 Hz	180 – 250 VAC
17	Clamping system	Motorized & Automatic operation during wire bonding
18	Touch down sensor which will automatically sense the height	Chip or substrate
19	Gold Wire Spool-Holder	2 inch standard with motorized spool
20	Stereo Microscope with Camera	Microscope (up to 100x magnification) or better with Digital Video Camera and 15" Screen or better
21	Illumination	Dual Optical Fiber or better

Section 5 – Technical Bid

The technical bid should furnish all requirements of the tender along with all annexures in this section, and should be submitted to:

The Chairperson,

Attn: Prof. Gayatri Pillai

Centre for Nanoscience and Engineering

Indian Institute of Science

Bengaluru – 560012, India

Annexure 1: Details of the Bidder

The bidder must provide the following mandatory information & attach supporting documents wherever mentioned:

Sl. No	Items	Details
1	Name of the Bidder	
2	Nature of Bidder (Attach attested copy of Certificate of Incorporation/Partnership Deed)	
3	Registration No./Trade License (attach attested copy)	
4	Registered Office Address	
5	Address for communication	
6	Contact person – Name and Designation	
7	Telephone No.	
8	Email ID	
9	Website	
10	PAN No. (attach copy)	
11	GST No. (attach copy)	

Signature of the Bidder

Name

Designation, Seal

Date:

Annexure 2: Declaration Regarding Experience

To,

Prof. Gayatri Pillai,

Centre for Nanoscience and Engineering,

Indian Institute of Science,

Bengaluru – 560012, India

Ref: Tender No: XXXXXXXXX

Dated: XXXXX

Supply and installation of Wire Bonder at Systems and Packaging Facility (SAPF), CeNSE, IISc Bangalore

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company/firm has _____ years of experience in supplying and installing Wire Bonders.

(Signature of the Bidder)

Name

Designation, Seal

Date:

Annexure 3: Declaration Regarding Track Record

To,

Prof. Gayatri Pillai,

Centre for Nanoscience and Engineering,

Indian Institute of Science,

Bengaluru – 560012, India

Ref: Tender No: XXXXXXXXXX

Dated: XXXXX

Supply and installation of Wire Bonder at Systems and Packaging Facility (SAPF), CeNSE, IISc Bangalore

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company/firm is not currently debarred/blacklisted by any Government/Semi-Government organizations/institutions in India or abroad. I further certify that I am a competent officer in my company/firm to make this declaration.

Or, I declare the following:

Sl. No	Country in which the company is debarred/blacklisted/case is pending	Blacklisted/debarred by Government/Semi-Government Organizations/Institutions	Reason	Since when and for how long

(NOTE: In case the company/firm was previously blacklisted, please provide details regarding the period for which the company/firm was blacklisted and the reason(s) for the same.)

Yours faithfully,

(Signature of the Bidder)

Name

Designation, Seal

Date:

Annexure 4: Declaration for Acceptance of Terms and Conditions

To,

Prof. Gayatri Pillai,

Centre for Nanoscience and Engineering,

Indian Institute of Science,

Bengaluru – 560012, India

Ref: Tender No: XXXXXXXXX

Dated: XXXXX

Supply and installation of Wire Bonder at Systems and Packaging Facility (SAPF), CeNSE, IISc Bangalore

Sir,

I've carefully gone through the Terms & Conditions as mentioned in the above referred tender document. I declare that all the provisions of this tender document are acceptable to my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Name

Designation, Seal

Date:

Annexure 5: Details of Items Quoted

- a. Company Name
- b. Product Name
- c. Part/Catalogue Number
- d. Product description/main features
- e. Detailed technical specifications
- f. Remarks

Instructions to Bidders

1. Bidders should provide technical specifications of the quoted product(s) in detail.
2. Bidders should attach product brochures along with the technical bid.
3. Bidders should clearly indicate compliance or non-compliance with the technical specifications provided in the tender document.

Section 6 – Commercial Bid

The commercial bid should be furnished with all requirements of the tender, along with supporting documents, as mentioned below:

S.No	Description	Cat. Number	Quantity	Unit Price	Sub total
1	Essential items noted in the technical specification				
1.a	...(details of essential items)				
1.b	...				
2	Optional items noted in the technical specification				
2.a	...(details of optional items)				
2.b	...				
3	Accessories for operation and installation				
4	All Consumables, spares and software to be supplied locally				
5	Warranty (3 years)				
6	AMC 2 years beyond warranty				
7	Cost of Insurance and Airfreight				
8	CIP/CIF IISc, Bengaluru				

Any additional items such as spares and hardware/PCBs likely to become obsolete after the next 3 years

S.No	Description	Cat. Number	Quantity	Unit Price	Sub total

Addressed to:

The Chairperson,

Attn: Prof. Gayatri Pillai

Centre for Nanoscience and Engineering

Indian Institute of Science

Bengaluru – 560012, India

Section 7 – Checklist

(This should be enclosed with the technical bid – Part A)

The following items must be checked before the bid is submitted:

1. Sealed Envelope "A": Technical Bid

1. Section 5 – Technical Bid (each page signed by the authorized signatory and sealed), with the below annexures:

- a. Annexure 1: Bidder's details
- b. Annexure 2: Declaration regarding experience
- c. Annexure 3: Declaration regarding clean track record
- d. Annexure 4: Declaration for acceptance of terms and conditions
- e. Annexure 5: Details of items quoted

2. Copy of this tender document duly signed by the authorized signatory on every page and sealed.

2. Sealed Envelope "B": Commercial Bid

Section 6: Commercial Bid

Your quotation must be submitted in two envelopes: Technical Bid (Envelope A) and Commercial Bid (Envelope B), superscripted on both envelopes with the Tender No. and due date, both placed in sealed covers and put in a bigger cover which should also be sealed and duly superscripted with the Tender No., Tender Description & Due Date.