

Open Tender Notification for the procurement of “Micro Gas Turbine Engine” at the Indian Institute of Science, Bangalore.

(Last date of submission of tender: **11th August 2026**)

Date: 21 July 2026

This is a Request for Quote (RFQ) from the Indian Institute of Science (IISc), Bangalore, for the procurement of Micro Gas Turbine Engine at Department of Mechanical Engineering, IISc.

1	Section 1	Bid Schedule	As specified by IISc
2	Section 2	Eligibility Criteria	As specified by IISc
3	Section 3	Specifications	Technical specifications
4	Section 4	Terms and Conditions	As specified by IISc
5	Section 5	Technical bid	Annexure 1: Bidder details
			Annexure 2: Declaration regarding experience of bidder
			Annexure 3: Declaration regarding track record of bidder
			Annexure 4: Declaration of acceptance of Terms and conditions
			Annexure 5: Details of item quoted
6	Section 6	Commercial bid	Quotation with Price, Technical specifications of the Equipment

1.	Instrument	Micro Gas Turbine Engine
2.	Tender type	Technical bid (Part A) Commercial bid (Part B)
3.	Place of tender submission	The Chair, Department of Mechanical Engineering, Indian Institute of Science, Bangalore 560012, India. Kind attention: Prof. Aloke Kumar
4.	Last date and time of tender submission	11 August 2026; before 5 PM
5.	Contact for further clarification	The Chair Department of Mechanical Engineering, Indian Institute of Science, Bangalore 560012, India. Ph: +91-80-2293-3229 Email: office.me@iisc.ac.in

Section 1: Bid Schedule**Section 2 : Technical Specification**

	Component Category	Description
1	Engine type	Single shaft micro gas turbine engine
2	Intended applications	Educational / Research purpose ONLY
3	Combustion System	Swirl-stabilized combustor; performance maintained at altitude
4	Overall Length	≤ 400 mm
5	Outer Diameter	≤ 200 mm
6	Dry Mass	≤ 5 kg
7	Form Factor	Compact envelope with high thrust-to-weight ratio, suitable for tight airframe integration
8	Rated Thrust (Sea Level Static)	≥ 30 kgf
9	Maximum RPM	$\leq 100000 \pm 2\%$ RPM
10	Pressure Ratio at Max RPM	≤ 1
11	Mass Flow Rate	≤ 1 kg/s (nominal, at rated thrust)
12	Maximum Exit Gas Temperature	≤ 900 °C
13	Fuel Consumption (at rated thrust)	≤ 1500 mL/min
14	Minimum Operating Temperature	≤ -30 °C
15	Maximum Operating Temperature	≤ 60 °C
16	Maximum Operating Altitude	≥ 8000 m
17	Flight Speed Range	≥ 0.8 Mach
18	Type Certification / Test Records	Ground test / qualification data to be furnished on request

Section 3: Terms and Conditions

1. All documentations in the tender should be in English.
2. Tender should be submitted in two envelopes (two bid system).
3. a) **Technical Bid (Part-A)** – Technical bid consisting of all technical details and checklist for conformance to technical specifications. The proposal should contain a compliance table. The compliance table should include all the items of the technical specifications in the same order and format. The first additional column should describe product specifications. The next column should indicate compliance in a “Yes” or “No” response.
4. b) **Commercial Bid (Part-B)** – Indicating item-wise price for the items mentioned in the technical bid, as per the format of quotation provided in tender, and other commercial terms and conditions.
5. The technical bid and price bid should each be placed in separate sealed covers, superscribing on both the envelopes the tender no. and the due date. Both these sealed covers are to be placed in a bigger cover which should also be sealed and stating, “**TENDER FOR MICRO GAS TURBINE ENGINE**” and should reach the office of The Chair, Department of Mechanical Engineering, Indian Institute of Science Bangalore 560012, India on or before the due date mentioned in the tender notice. In case the due date happens to be 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.
6. The covering letter should clearly state that whether the vendor is a Class-I or Class-II local supplier. Failing this the bid will be automatically rejected.
7. 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 should be provided.
8. The lead-time for the delivery of the equipment should be less than 3 to 4 months from the date of receipt of necessary documents. It should be clearly mentioned in the technical and commercial bids.
9. The vendor must provide a compliance statement in a tabular form concerning each technical specification in the tender document duly supported by the manufacturer’s literature and published papers. Any other claim will not be accepted and may lead to the rejection of the bid.
10. Wherever requested, data must be supplied along with technical compliance documents. Technical bids without supporting data will be deemed as technically non-compliant.
11. The institute reserves the right to verify the accuracy and seek clarification of submitted specifications after opening the technical bids. Based on such clarification, if specifications are found to be unsuitable, the technical committee reserves the right to disqualify vendors. Any

discrepancy between the promised and verified specifications will be deemed as technical non-compliance.

12. The technical bid should also contain warranty details and terms. Further, any periodic maintenance requirements for regular operation should be specified in detail, along with the extent of coverage under warranty for such maintenance activity.

13. The bidder will provide the prerequisite installation requirement of the equipment along with the technical bid. The vendor is responsible for the installation of the system at the institute, along with the training of end-users.

14. In the commercial bid, the price should be inclusive of all discounts. The price quotation should include the cost of installation and training of potential users if any.

15. The quotations should be on FOR-IISc Bangalore basis in INR only.

16. Any statutory increase in the taxes and duties after 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. However, if any decrease takes place, the advantage will have to be passed on to IISc, Bangalore. Any information furnished by the bidder found to be incorrect, either immediately or later, would render the bidder liable to be debarred from the bidding process.

17. The vendor must submit a list of all Indian customers (only Government of India organizations) where similar systems have been installed. References from this list can be used to disqualify vendors with a poor track record of service, build quality, system performance, or poor availability of spares. Additionally, IISc shall have the absolute right to take the opinion of other departments/institutes for their opinion/experience about the bidder's services/sales. Based on such input, IISc may decide about the rejection of a bid of such bidder(s).

18. The vendor shall include up to five testimonials from existing users of a similar laser system indicating the performance of the laser and maintenance satisfaction.

19. Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:

- a) To accept OR reject the lowest tender or any other tender or all the tenders.
- b) To accept any tender in full or in part.
- c) To reject the tender, offer not conforming the tender terms.

20. The indenter reserves the right to relax any or all the above conditions without assigning any reason.

21. The Bidder should belong to either Class-1 or Class-2 suppliers 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 of equal to or more than 50%. b) Class-2 supplier: Goods and services should have local content of equal to or more than 20 % and less than 50%.

22. Quote should come only from Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.

23. The quotations should be on FOR-IISc Bangalore basis in INR only.

24. Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-2 local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.

25. Purchase preference as defined by the recent edits to GFR (within the “margin of purchase preference”) will be given to the Class-1 supplier.

26. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such detail

Annexure 1:

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

Sr. No.	Type	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:

Date:

Seal:

Annexure 2:

Declaration regarding experience To,
The Chair,
Department of Mechanical Engineering, Indian
Institute of Science,
Bangalore – 560012, India

Ref:
Dated: XXXXX

Sub: Supply of Micro gas turbine engine

Sir,
I have carefully gone through the Terms & Conditions contained in the above referred document. I hereby declare that my company / firm has ---- years of experience in supplying.

(Signature of the Bidder)
Name:
Designation:

Date:
Seal:

Annexure 3:

Declaration of track record To,
The Chair,
Department of Mechanical Engineering, Indian
Institute of Science,
Bangalore – 560012, India

Ref: Document No: XXXXXXXXXX Dated:
XXXXX

Sub: Supply of Micro gas turbine engine

Sir,

I have carefully gone through the Terms & Conditions contained in the above referred document. 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 competent officer in my company / firm to make this declaration.

OR

I declare the following:

Sr. No.	Country in which the company is debarred/ blacklisted / having pending case	Blacklisted / debarred by Government / Semi Government Organizations or Institutions / having pending case	Reason	Time Period

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

(Signature of the Bidder)

Name:

Designation:

Date:

Seal:

Annexure 4:

Declaration of acceptance of terms and conditions To,
The Chair,
Department of Mechanical Engineering, Indian
Institute of Science,
Bangalore – 560012, India

Ref: Document No: XXXXXXXXXX Dated:
XXXXX

Sub: Supply of Micro gas turbine engine

Sir,

I have carefully gone through the Terms & Conditions contained in the above referred document. I declare that all the provisions of this 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:

Date:

Seal:

Section 4: Checklist

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

1. Sealed Envelope “A”: Technical Bid

Technical bid (each page signed by the authorized signatory and sealed) with the below annexures:

- a. Annexure 1: Bidders details
- b. Annexure 2: Declaration regarding experience
- c. Annexure 3: Declaration of track record
- d. Annexure 4: Declaration of acceptance of terms and conditions
- e. Annexure 5: Details of item quoted.

2. Sealed Envelope “B”: Commercial Bid

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