

**Tender for Supply and Installation of
Live Cell Metabolic Flux Analyzer**

Tender No : BC/ GENL/ DST/ FIST -Live Cell Metabolic Flux Analyzer / 2021

Date: 30th March, 2021



Indian Institute of Science , Bengaluru – 560 012

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SECTION 1 : BID SCHEDULE

Tender No.	BC/ GENL/ DST/ FIST / Live Cell Metabolic Flux Analyzer / 2021
Tender Date	30th March, 2021
Item Description	Live Cell Metabolic Flux Analyzer
Tender Type	Technical Bid (Part-A); Commercial Bid (Part-B)
Last date & time of submission of Tender	15th April, 2021 before 5.00 P.M
Place of submission	THE CHAIRMAN, DEPT. OF BIOCHEMISTRY, IISc, BANGALROE - 560 012.
Place of Opening of Tender	DEPARTMENT OF BIOCHEMISTRY, IISc, BANGALORE – 560 012

Tender Fees	NIL
Earnest Money Deposit	NIL
Any Clarification	The Chairman Dept. of Biochemistry, IISc, BANGALORE - 560 012. <u>E-mail: office.bc@iisc.ac.in</u> Contact Phone No: 080 22932473

SECTION 2: ELIGIBILITY CRITERIA

Prequalification Criteria:

1. Bidder should have well established own establishment (Enclose Company Registration Certificate).
 2. The vendor should have a good track record of having previously supplied.
 3. The vendor should have qualified technical service personnel for the equipment based in Bengaluru.
 4. The payment will be made after satisfactory supply.
 5. If the goods are found to be defective, they have to be replaced or rectified at the cost of the supplier within 45 days from the date of receipt of written communications from us.
 6. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.
 7. The Bidder should not be currently blacklisted by any institution, bank in India.
 8. The Bidder should accept tender terms & conditions.
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SECTION 3: TERMS AND CONDITIONS

Submission of Tender:

1. All documentations in the tender should be in English
2. Two bid System
 - (i) Technical bid consisting of all technical details along with commercial terms and conditions; and
 - (ii) Financial bid indicating item-wise price for the items mentioned in the technical bid.
3. The SEALED COVER superscripting Tender number / due date & should reach the undersigned on or before due date mentioned in the tender notice. In case due date happens to be holiday the tender will be accepted and opened on the next working day. If the quotation cover is not sealed, it will be rejected.
4. All communications are to be addressed to the undersigned only
5. The validity period of the quotation should be 90 days.
6. G.S.T. & other taxes, levies etc., are to be indicated separately. BIDDER should mention Central and State G.S.T. Registration and PAN in the tender.
7. If Price is not quoted in Commercial Bid as provided in Tender document then, IISc Bangalore will reject the Bid.
8. The purchaser reserves the right to accept or reject any bid and to annual the bidding process and reject all bids at any time prior t to the award of contract, without there by incurring any liability to the effected bidder or bidders or any obligation to inform the affected bidder or bidders.
9. Incomplete bids will be summarily rejected.
10. The vendor is responsible for the installation of the system at the Institute.
- 11.. The price quotation should include the cost of installing and training users in two batches to be conducted by technical and application experts.
12. The equipment must be covered under a fully comprehensive maintenance contract for the 3 years after successful installation and training.
13. The system downtime must be limited to 48 - 72 hours from the time of reporting.
14. Annual Maintenance Contract (AMC) charges for three years may be quoted from the date of the expiry of the initial warranty period.
15. The vendor should have a track record of the previous installation of 1-2 Flux Analyzer systems in India. Details of these installations must be provided in the technical bid.

16. The vendor should have qualified technical service personnel for the equipment based in India.
17. The lead-time for the equipment delivery should not be more than 2-3 months from the date of receipt of our purchase order.
18. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split-up the requirements or relax any or all of the above conditions without assigning any reason is reserved.

Cancellation of Tender:

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 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 confirming to the tenders terms.

Validity of the Offer:

90 Days from the date of submission of offer.

Evaluation of Offer:

The bids will be opened first and evaluated.

Bidders meeting the required criteria as stated in Section 2 of this document shall only be considered for Commercial Bid. Further, agencies not furnishing the documentary evidence as required will not be considered.

Purchase Order:

1. The order will be placed on the bidder whose bid is accepted by IISc based on the terms & conditions mentioned in the tender.
2. The quantity of the items in tender is only indicative. IISc reserves the right to increase /decrease/ change the quantity/specification of the items depending on the requirement.
3. If the quality of product and service provided is not found satisfactory, IISc Bangalore reserves the right to cancel or amend the contract.

Delivery Schedule:

Free delivery and Installation at IISc, Bangalore within 2 -3 months from the date of issue of purchase order.

Payment Terms:

Payment will be made through RTGS after satisfactory supply, installation and training.

Statutory Variation:

Any statutory increase in the taxes and duties subsequent to suppliers offer if it takes place within the original contractual delivery date will be to IISc account 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.

Disputes and Jurisdiction:

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

General:

1. All amendments, time extension, clarifications etc, within the period of submission of the tender, will be uploaded on the IISc website only and will not be published in newspapers. Bidder Should regularly visit the above website to keep themselves updated. No extension in the bid due date/time shall be considered on account of delay in receipt of any document by mail.
2. The bidder may furnish any additional information, which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. It is however, advised not to furnish superfluous information.
3. Any information furnished by the bidder found to be incorrect either immediately or at a later date, would render him liable to be debarred from tendering/taking up of work in IISc, Bangalore.

The Chairman
Dept. Of Biochemistry, IISc

SECTION 4 : TECHNICAL SPECIFICATIONS

Technical Specifications Details:

1. Should be able to simultaneously measure oxygen consumption rate (OCR) and extracellular acidification rate (ECAR) of live cells. Detection capability for a dual analyte, i.e., O_2/H^+ . Cells analyzed should be recovered after post-analysis.
2. Should be able to work with a Minimum of 8 well tissue culture microplates. The measurements should be wholly non-invasive and should work without the addition of reporters, dyes, or labels.
3. Should be able to take readings at short intervals of time over a more extended period of assay time. It should have the capacity to perform repetitive kinetic measurements.
4. Should have a minimum usage of 5,000 up to 50,000 cells per well. Adherent cells should be measured without requiring trypsinization. Should be able to take measurements in suspended cells with minimum adherence.
5. Should have an option of at least four ports for adding substrates/compounds automatically without taking the plate
6. Should be a compact bench-top instrument with a temperature controlled ($37^\circ C \pm 0.5^\circ C$) measurement chamber.
7. Screen monitor to analyze data with software to measure OCR, ECAR, and CDPR in a single 2D chart. Data display should show OCR and ECAR simultaneously.
8. Instrument should be sensitive to measure both pH and Oxygen changes in the cell culture plate's microchamber.
9. Excitation and Emission requirements: A source for monochromatic excitation (LED). Should have different absorption and emission peak.
10. Sensor: Oxygen = Absorption (Green, 530 nm); Emission (Red; 650 nm).
pH= Absorption (blue; 470 nm); Emission (green; 530 nm)
11. An UPS power back-up for the machine's uninterrupted functioning should be supplied with the instrument preferably locally procured.

12. System should come with an integrated computer, data acquisition, and display. User-friendly excel based software should be supplied. Multiple Licenses for the analysis software should be provided.
13. Software modules to be included (for both online and offline analysis). The software should allow an analysis of Microsoft excel or other statistical programs.
14. The number of start-up consumables assay kits made available along with the instrument should be defined. The quantity should be sufficient for the initial training period and extended usage of the equipment concerning Glycolysis, Intracellular and extracellular oxygen, Cellular energetics, Fatty acid oxidation, mitochondrial metabolism, Base Medium, and carrier tray.
15. The system should be able to calibrate the sensors automatically.

SECTION 5: TECHNICAL BID

Annexure - 1: Bidder details

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

Details of the Bidders

Sl. No.	Description	Particulars
1	Name of the Bidder:	
2	Nature of Bidder: (Pvt Ltd or Public Ltd Co/ Partnership firm etc) (Attach attested copy of Certificate of Incorporation/ Partnership Deed)	
3	Registration No/ Trade License: (if any attach copy)	
4	Registered Office Address:	
5	Address for Communication:	
6	Contract person: Name: Designation:	
7	Telephone No:	
8	Email ID: Website:	
9	PAN No.: (attach copy)	
10	GST No: (attach copy)	
11	Annual Turnover (attach audit reports) 2018-19 2017-18 2016-17	

(Signature of the Bidder)

Printed Name:

Designation, Seal

Annexure - 2: Declaration Regarding Clean Track by Bidder

T.;

The Assistant Registrar
Purchase Section
Indian Institute of Science
Bangalore – 560 012.

Ref / Tender No.

Dated:

Sub: Supply and installation of Live Cell Metabolic Flux Analyzer

Sir,

I have carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm is not currently debarred / black listed 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:

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

(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)

Yours faithfully

(Signature of the Bidder)

Printed Name:

Designation:

Seal:

Date :

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Annexure - 3: Declaration for Acceptance of Terms and Conditions

To:

The Assistant Registrar
Purchase Section
Indian Institute of Science
Bangalore-560012

Ref / Tender No:

Dated:

Sub: Supply and installation of Live Cell Metabolic Flux Analyzer

Sir,

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

Yours faithfully,

(Signature of the Bidder)

Printed Name:

Designation:

Seal:

Date :

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SECTION 6: COMMERCIAL BID

Supply and installation of Live Cell Metabolic Flux Analyzer

Indian Institute of Science
Bangalore - 560 012

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SECTION 7: CHECK LIST

(This sheet should also be enclosed)

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

Technical Bid:

MSME Certificate:

Section 5 : Technical Bid (each pages duly sealed and signed by the authorized signatory)

Annexure 1 : Bidders details

Annexure 2 : Declaration regarding clean track

Annexure 3 : Declaration for acceptance of tender terms and conditions

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

Commercial Bid:

Your quotation must be submitted in a sealed envelope with both

Technical Bid and Commercial Bid

Super scribing the Tender No. and Due Date.