

Global tender notification for procurement of photoreactor for batch and flow reactions with multiple wavelengths

GTE Approval No. IISc-GTE-2021-100

Summary

Tender number: OC/DPH/2021/Photoreactor/Global
Tender date: 1st December 2021
Item description: Photoreactor for batch and flow reactions with multiple wavelengths
Tender type: Two bid system:
Technical Bid (Part A)
Commercial Bid (Part B)
Place of tender submission: Office of the Chairman
Department of Organic Chemistry
Indian Institute of Science
Bangalore 560012
Last date & time for Submission of tender: 22nd December 2021, 5:00 pm

Dear Sir/Madam,

This is a global tender notification for procurement of photoreactor for batch and flow reactions with multiple wavelengths at the Department of Organic Chemistry (OC), Indian Institute of Science, Bangalore.

The deadline for submission of proposals is 22nd December 2021, 5:00 pm. Proposals should arrive at:

Office of the Chairman
Department of Organic Chemistry
Indian Institute of Science
Bangalore 560012
India

Direct all questions concerning the acquisition to Dr. Durga Prasada Rao Hari by email only at: dphari@iisc.ac.in

General Terms and Conditions:

1. The bid should be submitted in the two-cover system, i.e., technical, and commercial bids separately in sealed envelopes. The technical bid should contain all commercial terms and conditions, except the price.
2. The technical bid must contain a point-by-point technical compliance document. The technical proposal should include a compliance table that should explain your compliance in a "yes" or "no" response against each item in this RFQ. If the answer is "no," the second column should state the extent of the deviation. The third column should state the reason for the deviation if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirement below.
3. The commercial bid must include the price of the instrument (CIF, Bangalore, applicable Custom Duty will be borne by the Institute) and all components including controller accessories indicating component-wise and itemized breakup.
4. Provide certificates for the country origin of manufacturing for each line item. The price of every line item in the commercial bid should be quoted along with the total quoted price for the instrument to be operational (installed and ready to use) in our facility.
5. The lead time for the delivery of the equipment should not be more than four months from the date of receipt of our purchase order. It should be clearly mentioned in the technical and commercial bids.
6. All the quotations must be valid for at least 60 days at the time of submission.
7. The vendor must not be blocked/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. Items in addition to that listed in the technical section that you would like to bring to our attention, such as datasheets, technical plots, etc., can be listed at the end of the compliance section.
9. Vendors are encouraged to highlight the advantage of their tools over comparable tools from the competitors.
10. If needed, a meeting for any technical clarifications can be scheduled with the undersigned by sending an email.
11. The Institute reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time before the award of contract without thereby incurring any liability of the affected bidder or bidders.

12. After the purchase order award, the vendor must provide an order acknowledgement within 30 days from the receipt of the Purchase Order.
13. If the goods are found to be defective, they must be replaced or rectified at the cost of the supplier within 30 days from the date of receipt of written communication from us.
14. Tender documents that do not satisfy the "Terms and Conditions" listed herein will be disqualified.

Service, Training, and Warranty:

1. The vendor must have local dedicated Sales & Service team in Karnataka.
2. The vendor must demonstrate that it has a proven appropriate set-up and capability to provide after-sales service efficiently and effectively.
3. On-site installation, commissioning, and training shall be conducted by a qualified factory-trained engineer.
4. Support should be available from Monday to Friday, 8.30 am to 5.30 pm (IST) (excluding Public Holidays).
5. A declaration of Conformity certificate and System Validation certificate must be provided.
6. Warranty terms and additional warranty options are must for all the components. Please specify the service plan, like whether the local distributor will address the issue or the parent company. Minimum one year of complete system warranty should be given. If the system requires service during the warranty period, the vendor must guarantee or replace of instrument for free.
7. Terms and conditions for the annual maintenance contract beyond the warranty period should be mentioned.
8. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.

Technical requirements:

Please note that the requirements listed below are only guidelines. Vendors are requested to quote for equipment that meets the criteria to the best extent possible and list deviations, if any. Deviations are NOT an automatic reason for disqualification. A technical group will discuss them before making an informed decision.

The photoreactor will be used for carrying out batch and continuous flow photochemical reactions.

- It should be a multiwavelength photochemical reactor.
- Required wavelengths: UVA to Red (365-625 nm) and white.
- It should have both batch and flow reactors.
- The batch reactor should have a holder for different sizes of glass vials.
- The vendor should supply different sizes of glass vials with caps.
- Loop volume for flow reactor should be between 5 mL to 15 mL.
- The vendor should supply a minimum of two different loop volumes.
- The temperature range should be from 20 °C to 80 °C.
- LED input power should be around 128 W.
- It should have built-in safety features to prevent the user from exposure to high-intensity light.
- It should have a built-in magnetic stirrer.
- It should have defined parameters, including wavelength, light intensity, and speed of stirring.

Other requirements:

- The payment terms should be specified in the commercial proposal, which should be consistent with IISc's domestic purchase policies.
- Please provide details of the number of trained personnel in India.
- Please include other options currently available which can be added in the future.
- The vendor should attach product brochures along with the technical bid.

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