

Ref: C-CAMP/L-085/2023-24 (C)

September 04, 2023

ENQUIRY

Dear Sirs,

Please let us have your lowest quotation for the following:

Sl.No.	Item/s description	Qty.
1	<p style="text-align: center;">Technical Specification for Plasma Cleaner</p> <p>Application: Plasma cleaners are inductively coupled plasma devices that are used for surface cleaning, surface preparation, and surface modification. The plasma cleaner will be used for the fabrication of PDMS microfluidic devices, where the plasma removes organic contamination and activates the PDMS surface in preparation for bonding with glass, PDMS or other similarly treated surfaces. Without this instrument, the end-to-end development of PDMS-based microfluidics will be incomplete and impossible. Hence, it is sought for purchase.</p> <p>General Specifications: In general, the plasma cleaner should be portable, bench-top, have provisions to work with at least two process gases (air and oxygen), accommodate minimum 4" wafers (with a wafer carrier), and have a vacuum-pump with a pressure gauge/display.</p> <p>Specific Requirements:</p> <p>Form Factor: Compact, tabletop model is preferred with weight < 20 kg</p> <p>Physical dimensions: Height < 15"; Width < 20"; Depth < 10"</p> <p>Power Settings: Must work on RF power (at least 25 W).</p> <p>RF power should be adjustable (High, Medium, Low).</p> <p>Process Gases: Must have provision for working with at least two process gases, preferably Air and Oxygen.</p> <p>Metering valves must be present to release the vacuum.</p> <p>Sample Sizes: Should accommodate standard microscopic glass slides (75 mm x 25 mm) as well as PDMS substrates of similar dimensions.</p> <p>Must also accommodate 4" Si wafers (101 mm). However, since the wafers will likely be placed in a round wafer carrier, the chamber diameter of the plasma cleaner should be at least 110 mm. 6" chamber diameter is most preferable so that some flexibility is offered.</p> <p><u>This requirement is non-negotiable.</u></p> <p>Must have viewing window for checking plasma generation.</p> <p>Vacuum Pump: Oil-based vacuum pump is sufficient. Tray for accidental oil leaks must be provided in this case.</p> <p>The pump must be controllable from the main body of the plasma cleaner.</p> <p>Minimum pump speed > 20 L/min.</p> <p>Total pressure <200 mTorr.</p> <p>Pressure Gauge/Display:</p> <p>Monitoring vacuum pressure is useful for process repeatability and hence the machine must be provided with a vacuum gauge with digital display to get a sense of the vacuum pressure generated. Should be able to monitor pressure as low as 1 mTorr.</p> <p>General:</p> <p>Safety: The machine is supposed to have internal safety standards. Should have all safety mechanisms in place.</p> <p>Reliability: The machine must be a reliable work horse with minimum down-time and easy availability of spare parts if required.</p> <p>Warranty:The manufacturer or supplier needs to provide a stipulated warranty on the machine and all appropriate components.</p> <p>Warranty must be provided for minimum 3 years from the date of installation.</p>	01

Note:

1. The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date for Ref No:..... The bids should be addressed and to be sent by post/courier to 'THE HEAD-PURCHASE'.

The bids are liable to be rejected if the sealed envelope is not addressed to "THE HEAD-PURCHASE" with Tender Ref No. and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail, it should reach by submission date and time and CCAMP/NCBS will not be responsible for the delay.

2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 20/09/2023 BY 5.30PM.

3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.

4. The validity of your quotation should be for 60 days from the due date.

5. All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.

6. Your quotation should indicate delivery period & warranty period.

7. Delivery to be made to our stores. Please indicate charges, if any extra. Transit Insurance should be done upto CCAMP Stores.

8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, please state so and then offer alternative to quality/specifications.

9. Payment: within one month after delivery & acceptance/satisfactory installation.

10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.

11. If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.

12. Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time shall apply. The courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties

13. Since we are a research institution, we are exempted from paying Customs duty (Except ad valorem duty of 5% + 2% Cess and 1% Cus Sec & High Edu. CESS vide Notification No.51/96 with latest amendments) and excise duty vide Notification No. 10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices

14. If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.

15. CCAMP is a public funded research institute and is entitled to concessional rate of GST @ 5% for certain items supplied for research purpose vide notification no. 47/2017 and 45/2017 dated 14th Nov, 2017. The offer should be submitted after fully considering the above notification.

16. Liquidity Damages: If the equipment/ items as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.

17. Income Tax at the applicable rates as per the Indian Income Tax Act 1961 will be deducted at source for the services availed / ordered. In case of service provider, the rate of tax deduction shall be at 2% as per Section 194C, and in case of fee for professional / technical services



Chetana S. R.