

SCTIMST- Technology Business Incubator for Medical Devices & Biomaterials
5th Floor, M S Valiathan Building, Biomedical Technology Wing
Sree Chitra Tirunal Institute for Medical Sciences & Technology, Poojapura, Trivandrum-12
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EOI Ref. No: TIMED/PROJ/ EOI / CR /01 /2016-17

Date: 21/12/2016

EXPRESSION OF INTEREST (EOI)

Sealed EOI and bids are invited from experienced contractors for executing **CLEAN ROOM FACILITY for medical devices at SCTIMST-TIMED, TRIVANDRUM** on an existing built up area of approx 200 sqm on a DESIGN-BUILD (TURNKEY) BASIS in the 5th floor (top) of M S Valiathan Medical Devices Block at BMT wing, SCTIMST, Poojapura, Thiruvananthapuram, Kerala. Being a fast track project, the completion period will be six months from the date of award of work, followed by one month of validation process.

All prospective bidders are advised to visit and inspect the site and fully acquaint themselves about the conditions with regard to the building and floor layouts, accessibility of site, working conditions of site such as existing walls, doors and windows, electrical and plumbing lines, central air-conditioning facility etc and locality for stacking of materials, place for installing the accessories outside the building etc. The scope of work includes planning, design, execution, testing, validation and commissioning of **class 10K clean rooms** at SCTIMST-TIMED as per ISO 14644 standards. The contractor should be ready to provide warranty and after sales service for the first 5 years after the warranty period.

Prior appointment may be sought for visit/inspection of the site, which will be on Institute working days/hours.

Eligibility Criteria for the bidder:

The contractors who participate in the bid must fulfill all the following qualifications/conditions:

- (1) Must have executed design, construction and validation of at least five clean room projects in last five years.
- (2) Must have executed at least one clean room for the purpose of medical device manufacturing
- (3) At least one clean room project of single order value above Rs 2.00 crore (two crore) only
- (4) Annual Turnover of the bidding firm/company must be at least Rs 200 Lakh in each of last Two FYs.
- (5) Bidder must submit an undertaking that they have not been blacklisted by any central or state government undertakings/Institutions.

Interested bidders who fulfill above qualify criteria shall submit following:

- (i) All the documentary proof in support of their claim for above qualifications in the Technical Bid.
- (ii) Express their interest to participate in the EOI tender on design-build (turnkey) basis with detailed bid documents as given in detail below:

The EOI has to be as per TWO BID system, the first part must contain the "Technical bid" and second part should contain "Commercial bid".

In the **Technical bid** the bidder must enclose

1. The documentary proof of qualifying criteria

2. Detailed Engineering Design proposed including technical drawing of layout with details of electrical, light position, utilities, HVAC system etc, internal partitions/walls, door and window positions (including view windows), door provision for taking the instrument inside, corridor layout, location of pass boxes, air curtains, material and man entry/exit, changing rooms, communication systems, fire and safety installations and equipment

(Note: The design and technical requirements must comply with applicable ISO 14644 standards. The design must make optimal utilisation of space)

3. Detailed specification and Bill of quantity of all materials/ Equipments/ Fixtures etc without price information. The detailed specification is mandatory.

3. The testing and validation plan must be included.

4. The implementation schedule will meet the time limit of 6 months

The **Commercial bid** should contain

1. a bill of quantities with the item wise quantity, rate and amount of all items specifying design charges, cost of erection/installation/labour, testing, validation, training, documentation, etc complete for execution of this work.

2. The warranty period and conditions must be specified

3. The AMC costs for next 5 years to be mentioned as a separate item

4. In general, the Commercial bid should cover all the items to be executed for the work and no extra items will be entertained. The bidder must read and understand the general terms and conditions of contract attached before making the commercial bid.

PRE-BID MEETING

There will be a pre-bid meeting at **10:00 AM 10th Jan 2017 (Tuesday)** at TIMED where all the prospective bidders are encouraged to participate with their preliminary design concepts for common discussion and understanding. Any queries related to the bid can be addressed and subsequent modifications, if any, to the tender conditions will be notified soon, after which no change request will be entertained.

SUBMISSION DEADLINE

The Technical bid and Commercial bid have to be submitted in two separate sealed covers duly super scribing "Technical bid for Class 10K clean room", "Commercial bid for Class 10K clean room". All the two sealed covers of Technical bid and Commercial bid have to be kept together in a larger sealed envelope duly super scribed "Clean room project at SCTIMST-TIMED due on

31/01/2017.”

The last date for submission of sealed EOI tenders by the bidders is **31/01/2017 (Tuesday) at 3.00 PM** at SCTIMST- TIMED and the Technical bid will be opened on the same day at **4:00 PM** in presence of the tenderers present at the time of opening and the eligible bidders will be listed.

The bids must be addressed and delivered to: -

**The Chief Executive Officer
SCTIMST-TIMED**

5th Floor, M S Valiathan Building
Biomedical Technology Wing
Sree Chitra Tirunal Institute for Medical Sciences & Technology,
Poojapura, Trivandrum-695012, Kerala State, India

The eligible bidders will be invited to give a technical presentation of the proposal submitted by them on a subsequent date fixed before the Technical Evaluation committee constituted by SCTIMST-TIMED. During the presentation, the bidders are required to explain the detailed design, drawings and all technical specifications and contents of the technical bid.

The Technical Evaluation committee will review the technical bid based on 1. Assessment of bidder's capability and 2. Assessment of design proposed as regards its suitability for meeting the requirements.

The decision of the Technical evaluation committee constituted will be binding on the bidders. The final approving authority is the Board of SCTIMST-TIMED.

BIDDERS ARE FREE TO SUBMIT MORE THAN ONE BID WITH ALTERNATE DESIGN/SPECIFICATIONS and the Technical evaluation committee shall evaluate all these.

Only the commercial bid of those bids, found suitable and recommended by the Technical Evaluation committee will be opened and considered.

General conditions of contract are given below

1. Bidders must visit the site and inspect the area conditions before quoting their rates. Rates should include all taxes, duties, octroi, etc. the rates shall also include labour charges, E.S.I., E.P.F. Bonus, insurance etc., payable to the labourer's to be engaged by them.
2. Bidders may note that no escalation charges due to increase/decrease in the basic cost of materials or labour will be entertained for this work.
3. The rates shall also include all rental charges of machinery, tools, plants required for the execution of work, scaffoldings, transportation charges, basic cost of materials, contractor's profit etc., including taking into consideration market fluctuation etc. As such, nothing extra under any circumstance will be entertained at a later stage.
4. The rates shall also include the charges for loading, unloading; stacking of materials, preliminary works required to take-up the work, statutory recoveries and labour welfare CESS etc., and nothing will be paid as extra.

5. The bidder must factor the charges for making frequent site visit before and after tender openings, attending presentation, preparation of all detailed drawing for the presentation purpose, supervision charges etc and nothing extra will be entertained at any cost.
6. Income Tax (TDS), WCT (Works Contract Tax), Service tax, Labour welfare CESS and any other tax as would be mandatory, will be recovered from the bills of the successful bidder as per the provision of Rules/Act and as applicable from time to time during the currency of contract.
8. There will be no "C" forms or other certificates issued for the purpose of taxation. It must be noted that SCTIMST-TIMED is an independent registered not for profit society and hence not eligible for any government concessions.
9. The successful bidder has to make his/their own arrangement for the conditions of cleanliness, safety and security of the materials brought to the site by them for the usage / execution of the work or kept in the campus. SCTIMST-TIMED will not take any responsibility on this account or pay any compensation in case of any loss/damages/ theft etc., whatsoever.
10. The charges quoted by the tenderer shall also include provision for clearing of site after completion of the work including removing all rubbish, waste materials, debris etc., to the place informed by the Engineer-in-Charge, SCTIMST and also clearing of all the balance materials at site. The final bill for this work will be made only after clearing the site in all respects as started above to the entire satisfaction of SCTIMST-TIMED
11. Defects/Liability periods: 12 months from the date of handover of work.
10. Security Deposit: 5% (Five percent) of the total value of the work done from the final bill.
12. Security Deposit will be returned without interest after the full defects liability period of the 12 months are over from the actual completion of work/ handover of work whichever is later, provided all the defects pointed out during the defects liability period are rectified by the bidder at his cost and the same is not forfeited for any other reason.
13. The successful bidder has to deposit the sum equivalent to 5% of their tendered cost by way of DD/FDR/Irrevocable Bank guarantee as Performance Deposit in favour of SCTIMST-TIMED immediately. This Performance Deposit amount will be returned to the contractor at the time of making Final bill payment after satisfactory completion of the work provided the work has to be carried out satisfactorily and the same is not forfeited for any reason. The Performance Deposit will be refunded without any interest.
14. Tender Bids submitted must valid for a minimum period of 90 days from the date of its opening for the acceptance and award of work. Validity beyond 90 days from the date of opening shall be by mutual consent.
15. Bidder shall quote rates both in figure and words.
16. The Bid has to be submitted without any correction/over writing etc. in case of any correction or over writing is made due to un avoidable reason or unforeseen, the same has to be attested and official stamp has to be affixed by the bidder.
17. CEO SCTIMST-TIMED shall have the right without any obligation or liabilities, to accept or reject any or all EOI tenders or the lowest or to accept other than the lowest or any tender in full or in part or reject the entire tender at any stage of process or modify the process or any part there of or vary any terms and conditions without assigning any reasons. The decision of the Board of Directors, SCTIMST-TIMED is final in this regard and the bidders are bound to accept the same.
18. Submission of EOI by a bidder implies acceptance of the above.
19. Detailed technical drawings and documentation must be submitted on completion of work.
20. Incentive clause: A 5% incentive is offered for satisfactory completion and handing over the facility as per the implementation schedule.
21. Penalty clause: A penalty @ 1.5% per month delay computed on per day basis will be applicable.

SCOPE OF WORK

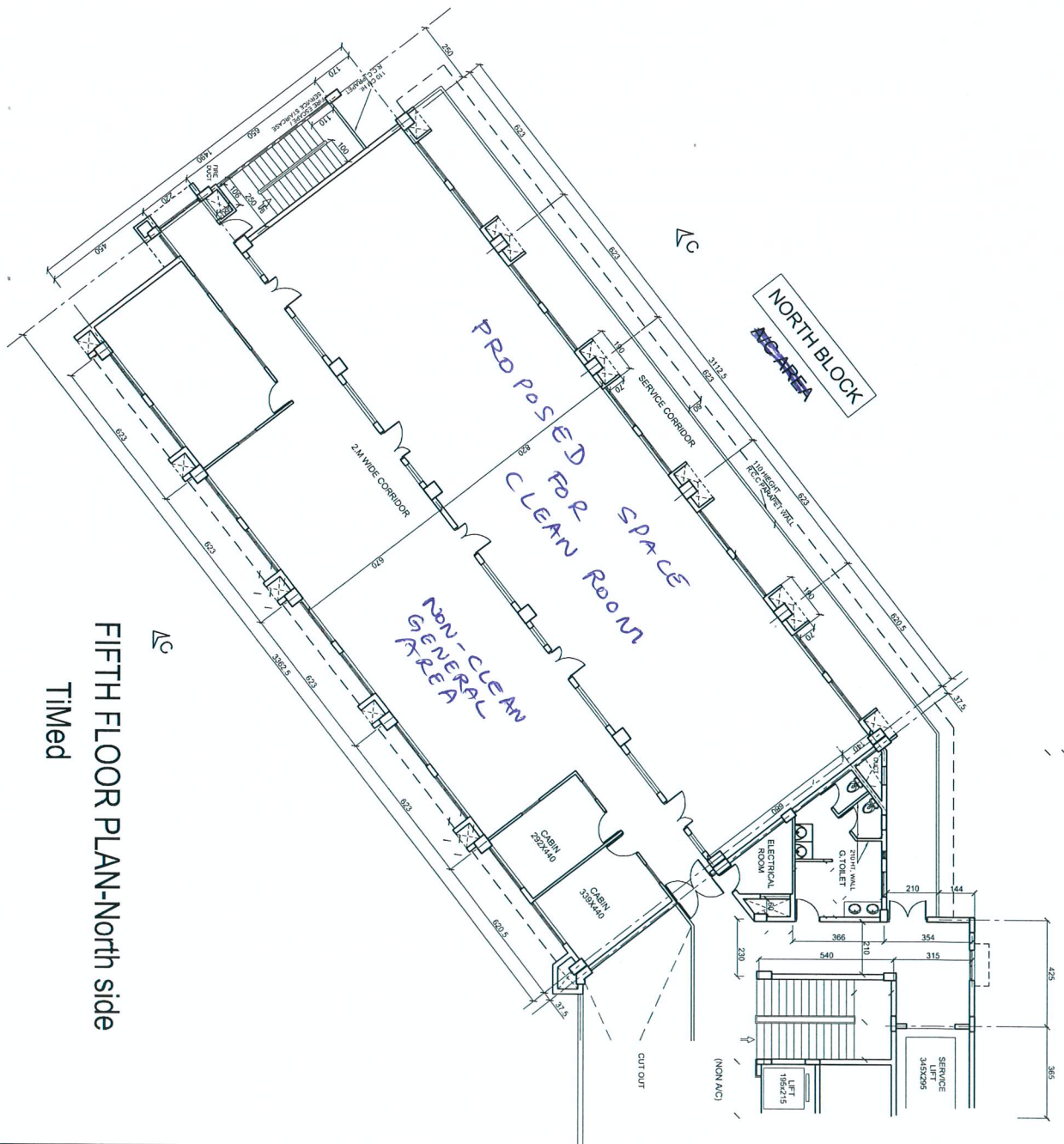
SCTIMST-TIMED is an incubation facility for startups in medical device and biomaterials project. The proposed work is to be executed on the existing built up space of around 200 sqm already available on the 5th floor. SCTIMST-TIMED will provide existing building which is to be remodelled as per requirement. The scope in general includes design and execution of modular panelling work, civil and HVAC work to meet clean room specifications.

The basic requirement is to set up a class 10K clean room with internal partitions for accommodating about 5 or 6 independent projects simultaneously but with isolation. There must be separate changing rooms for gents and ladies and material entry, clean and return corridors, independent 4 or 5 partitioned rooms with entry and exit to corridors, a clean assembly room, a utilities room etc. there must be double skin viewing windows, and provision of air dusting and entry of large equipment into the facility. The internal rooms must have provision for electrical points for laminar flow bench, equipment such as hot air ovens, etc. The utility room must accommodate distilled water units. Provision to be made for gas lines (CO2 and compressed air). Each unit inside must have communication facility, lighting etc. There must be fire and emergency security alarm systems. The design must optimise the available space to the maximum extent. The bidders design must specify the walls panels and ceiling system, flooring, etc. and detailed specifications should be mentioned in the bid. The design and detailed specifications of HVAC to maintain the clean room temperature, pressure and air changes must be specified including the location of the equipment and the AHU. The electrical connections to be connected to existing electrical panels in the building. The electrical and existing HVAC system at SCTIMST can be ascertained by bidders at the time of inspection of site. Provision to be made for a detachable wall panel of the clean room near the entrance to move any large equipment to and from the clean room in case of need.

The design and construction of clean room must be in accordance with ISO 14644 standard. A layout plan of the existing floor space is also attached for the bidder's reference.

IMPORTANT DATES TO NOTE

1. EOI open from 21st Dec 2016 to 31st Jan 2017
2. Site Inspection with prior intimation during working hours on working days from 21st Dec 2016
2. Pre-bid meeting at 10:00 AM on 10th Jan 2017 (Tuesday)
3. Last date for submission 3:00 PM on 31st Jan 2017 (Tue)
4. Review and technical evaluation of bid (Tentatively) 1st week of Feb 2017
5. Selection notice and Issue of work order 2nd week of Feb 2017
6. Time for completion- six months from award of work



FIFTH FLOOR PLAN-North side
Timed