

**Government of India  
Bhabha Atomic Research Centre  
Beam Technology Development Group**

Trombay  
Mumbai - 400 085  
Date: 21/04/2022

REF: BTDG/ATLAF/TLS /WORKS/DB/2022/ 38114

To  
All Parties

**Sub: Invitation of Quotations for Minor Fabrication Job "Operation, maintenance and up keep of utility systems, equipment in Laser labs at Mod. Lab (G-10, A-Block and 3-295-S, C-Block) and Hall-9."**

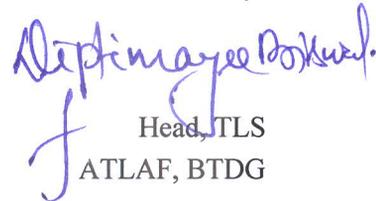
**DUE DATE: 05/05/2022**

Dear Sirs,

10. Quotations are invited on the letter head with official seal (rubber stamp) for the above mentioned job.
11. The letter head should indicate PAN, GST numbers of the vendor.
12. Packaging and delivery charges if any, taxes, surcharges shall be quoted separately.
13. The quotations must reach. **Head, Laser & Plasma Technology Division by Regd/ Speed Post** on and before the due date and must be sent in a sealed envelope **superscribed** with the above reference number.
14. The address on the envelope should read  

**(Kind Attn. Ms. D. Biswal)**  
To  
The Head,  
Laser & Plasma Technology Division, BARC, Mumbai - 400 085.
15. The bidder shall have to take an insurance policy against any material issued to him by the purchaser.
16. The work will be carried out at site and will be subjected to inspection by our engineer. The bidder shall send a qualified technician familiar with the safety norms of all the technical work associated with the fabrication job. However, neither BARC nor its employees will be liable to pay any compensation to the bidder's technician in the event of an accident during the fabrication job.
17. Director, Beam Technology and Development Group, BARC reserves the right to accept or reject any or all quotations without assigning any reason.
18. For any further clarification D. Biswal, L&PTD (Extn:-25059) may be contacted.

Yours faithfully.

  
Head, TLS  
ATLAF, BTDG

Encl: Detailed Technical Specification for fabrication work

- CC: 1 Head, SIRD (for uploading to BARC website)**  
**2. BARC Notice Board**  
**3. VSB Notice Board**

## General Specifications

### **8.0 Free issue materials**

- 8.1 The free issue supply material issued by the purchaser to the fabricator shall be covered by insurance policy taken by the fabricator at his own cost for its full value.
- 8.2 The insurance policy shall cover losses of damages to the purchaser's materials due to fire, riot strikes, theft, civil commotion etc. or any other cause.
- 8.3 The insurance policy shall be valid only till the date of actual delivery of the components to the purchaser.
- 8.4 The purchaser shall be named as the beneficiary.
- 8.5 The fabricator shall retain the balance material such as scraps, outputs, etc. after the fabrication to the purchaser.
- 8.6 Free issue material is not issued, and shall be issued to fabricator

### **9.0 Quality surveillance, inspection report**

- 9.1 All work covered by the specification shall be subject to quality surveillance by the purchaser or his authorized representative for which purpose the fabricator shall allow access at all reasonable time during manufacture to
  - 9.1.1 The premises in which the work is being carried out.
  - 9.1.2 The drawing and/or tooling involved.
  - 9.1.3 Gauge instruments, etc. required for inspecting the work.
- 9.2 Inspection and tests shall be carried out by the fabricator as per the requirements detailed in the drawings and these specifications.
- 9.3 The fabricator shall submit three copies of inspection report to the purchaser for approval.
- 9.4 Components found unsatisfactory as to workmanship or material shall be removed by fabricator and replaced by components, which are satisfactory.
- 9.5 Fabricator shall use materials as specified by the purchaser and submit to the purchaser, the material test certificate for his approval.
- 9.6 The finished components shall not be dispatched prior to approval by our engineer at bidder's works.
- 9.7 All the drawings and technical details in hard copies should be returned to the use department after completion of the work without keeping any copy in any form (soft/hard).

### **10.0 Delivery**

- 10.1 The bidder shall complete the job as described in the specification within **one year** after approval of fabrication drawings by our engineer.

### **11.0 Subcontract**

- 11.1 The fabricator shall not sub-contract any or all the work without written consent from the purchaser. The Fabricator shall be responsible to the purchaser for all work of the sub-contractor of the fabricator, if allowed by the purchaser.

### **12.0 Tax**

- 12.1 H form will be issued if necessary. Income Tax @ 2% surcharge on IT, @ 15% will be deducted from your bill for an amount > Rs. 20,000/. Guarantee certificate/warranty certificate may be obtained from the party and forwarded along with the bills.

### **13.0 Payment**: Payment shall be made only on satisfactory completion of work and on production of bill, advance stamped receipt and guarantee / warranty certificate.

### **14.0 Confidentiality Clause**

#### **14.1 Confidentiality**

No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the

prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

14.2 **“Restricted information” categories under Section 18 of the Atomic Energy Act, 1962 and “Official Secrets” under Section 5 of the Official Secrets Act, 1923:-**

Any Contravention of the above-mentioned provision by any contractor, sub-contractor, consultant, advisor or the employees of a contractor will invite penal consequences under the aforesaid legislation.

14.3 **Prohibition against use of BARC’s Name without permission for publicity purpose:-**

The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC’s name for any publicity purpose through any public media like press, Radio, T.V. or Internet without the prior written approval of BARC.

## Scope of work

### **Operation, maintenance and up keep of utility systems and equipment in Laser labs at Mod. Lab (G-10 , 3-295-S) and Hall-9**

#### 1. Operation and maintenance of Laser systems:

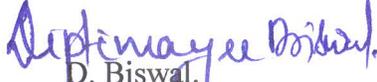
- 1.1. The laser system should be operated regularly following the standard operating procedure and to be shut down following the protocols after use.
- 1.2. The person should be able to assist in rooting the laser beam to the mass spectrometer systems.
- 1.3. The laser parameters like power, wavelengths should be noted down in log book meticulously.
- 1.4. The optics and opto-mechanical components should be cleaned using appropriate reagents/solutions and kept ready for experiments.

#### 2. Operation and maintenance of mass spectrometer systems:

- 2.1. The vacuum chambers should be operated regularly following the standard operating procedure and to be shut down following the protocols after use.
- 2.2. Cleaning of vacuum chamber, reassembly of the vacuum components, loading the sample inside vacuum chamber will be carried out.
- 2.3. Regular preventive and breakdown maintenance of the vacuum chambers and its sub-components will be carried as required.

#### General Specification

1. The daily one man day working hours shall be 0945 – 1830hrs. The reorganization, operations, maintenance and upkeep shall be carried out in one shift. The technicians should be able to follow oral and written instructions given in English, Hindi during the operation.
2. They should maintain a log-book of all the operating steps and reassembling job.
3. Payment will be subject to the assessment of the officer based on the work completed as per work allotted every day. The job will be spread over a period of about one year.
4. Police verification certificates of the worker/ supervisor need to be submitted before the commencement of the work, as per security regulation.

  
D. Biswal.  
I/O