Government of India
Bhabha Atomic Research Centre
Laser & Plasma Technology Division
Trombay,
Mumbai-85

Ref: LPTD/RLB/ Works /2017 / 78788 Dated: 11/05/2017

Kindly publish the attached NIT as per details given in BARC website for wide publicity.

Name of work: "Fabrication of heat removal system of power panel room & PCF area of RIS project hall-6" as per technical specifications and scope of work.

Tender no. LPTD/RLB/ Works /2017/78771 dated: 11/05/2017

Dr. G.K. Bhowmick
Head, RISPS & Head, BEAS
And Project Coordinator, LIS Technology

डॉ. जी. के. भौमिक
अध्यक्ष, आरआईएस प्रक्रिया अनुभाग एवं
अध्यक्ष, किरपुंज इलेक्ट्रॉनिकी एवं अनुप्रयोग अनुभाग
क.स. 8368 सं.स.स. G/306/166
लेपलाप्रो प्रभाग, भापअ केंद्र, भारत सरकार
मुंबई - 400 085.

To,

The Head
SIRD, BARC

दूरभाष :
TELEPHONE :
तार : बार्क–मुंबई, चेम्बुर.
TELEGRAMS: BARC-MUMBAI, CHEMBUR.
टेलेक्स : ०११-६१०१७/०११-६१०२२ बार्क इन
TELEX: 011-61017/011-61022 BARC IN
फैक्स संख्या : ९१-२२-५५६०७५०
FAX NUMBER: 91-22-5560750

ट्रॉम्बे,
मुंबई-४०० ०८५.
TROMBAY,
MUMBAI-400 085.

सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
भाभा परमाणु अनुसंधान केन्द्र
BHABHA ATOMIC RESEARCH CENTRE

Mod. Labs. Trombay,
Mumbai-400 085

Ref: LPTD/RLB/ works /2017-2018/ 78771 **Date:** 11/05/2017

Sub: Minor Fabrication- Invitation of quotations
Due date: 22/05/2017

Dear Sirs,

Quotations are invited for the "Fabrication of heat removal system of power panel room & PCF area of RIS project hall." The bidder shall quote for fabrication of these components with material.

1. Taxes and excise duties shall be quoted separately. Form H/AF shall be provided wherever necessary.
2. Quotations are to be in printed letter head / quotation format which should consist of sales tax, registration number registered with the local ST authority/ CST authority, PAN number etc. Quotations that are received in computer- generated form will be construed as invalid and rejected.
3. The quotations must reach, Head, Laser & Plasma Technology Division **by** 22/05/**2017** and must be sent in a sealed envelope super scribed with the above reference number and due date given above by **speed post or registered post** only.
4. The address on the envelope should read:
   The Head,
   Laser & Plasma Technology Division,
   Bhabha Atomic Research Centre,
   Trombay, Mumbai-400 085
   Attn: Shri R. L. Bhardwaj
5. The bidder shall have to take an insurance policy against any material issued to him by the purchaser.
6. The fabrication work shall be subject to inspection by our engineer. The finished components shall not be dispatched prior to approval by our engineer at bidder's works. Necessary inspection facilities shall be provided to our engineers during fabrication at bidder's premises.
7. The bidder shall deliver the finished components after the approval by our engineer, within **two months** from the date of our firm purchase order is issued to the bidder. The finished components and the scrap from the free issue material shall be delivered by the bidder at: Control room, Hall no.6, Laser & Plasma Technology Division, Trombay, Mumbai-400 085.
8. Head, Laser & Plasma Technology Division, BARC reserves the right to accept/reject any or all quotations without assigning any reason.

Yours sincerely,

9/5/17

(R.K. Rajawat)

Head, Laser & Plasma Technology Division

सह निदेशक, किप्रौवि वर्ग
एवं अध्यक्ष लेप्लाप्रौप्रभाग

Quotation shall be opened 23/05/2017 at 2.00pm

Encl.: Specifications & Scope of work
Copy to: 1. Head SIRD to upload at BARC website.
2. VSB notice board.
3. BARC, L&PTD notice board

Technical specifications and scope of work for Fabrication of heat removal system of power panel room & PCF area of RIS project, hall-6.
Qty-one set

Introduction: For removal of heat from power panel room and PCF area of Engineering Hall-6 that houses heat generating sources, a heat removal system is required to be fabricated and installed.

Technical specifications: Heat removal system shall consist of blowers, cooling units, temperature monitoring system, air flow measurement system assembled with ducts, etc. This system needs to bring ambient temperature in power panel room & PCF area to 25°C by working in co ordination with existing ventilation system. In the power panel room (12m x 4m x 3m), seven numbers of different power sources are installed and they generate approximately 2kW each of heat load. In PCF room (11m x 11m x 7m), metallic bodies generating heat have over all surface area of $20m^2$. The vendor shall visit the site, check existing ventilation system components for their location, rating, function, overall area for leaks. He/She shall understand the job and prepare detailed scheme and layout (including electrical cabling layout) considering existing system before starting the job. The system shall be fabricated and installed at site. Functional testing of system shall be done after completion of above work.

Scope of work:

1. Prepare & get approval of scheme, layout of heat removal system.
2. Fabricate and install the system using own material, machine and manpower including electrical wiring.
3. Supply all necessary associated components.
4. Functional testing of system for performance after completion of installation.
5. No FIM.

Above fabrication work shall have warrantee for the period of one year from the date of completion of work order. During the warrantee period if the heat removal system fails to perform satisfactorily, it shall be urgently repaired/ replaced by the fabricator

R. L. Bhardwaj
SO/G, L&PTD