

SECTION- I

**NOTICE INVITING TENDER (NIT)**

Government of India  
Bhabha Atomic Research Centre  
Reactor Group  
Research Reactor Design & Projects Division  
**Trombay, Mumbai - 400 085**

**NOTICE INVITING e-TENDER**

**TENDER NOTICE NO.:** BARC/RG/RRDPD/PDS/PPL/TN/ 2810 /2017-18

**NIT Details**

1. On line item rate tender in two parts i.e. Part A –Techno-commercial Bid and Part B – Financial Bid are hereby invited through **e-Tendering mode** on behalf of the President of India by Head, Research Reactor Design & Projects Division, Bhabha Atomic Research Centre, Trombay, Mumbai-400 085 for the following work from eligible contractors having adequate experience and capabilities to execute similar works of such magnitude in Department of Atomic Energy (DAE).

- i) Name of Work : **Detailed Design, Fabrication, Procurement, Inspection, Testing, Supply, Installation & Commissioning of Prototype Process Loop at BARC, Trombay, Mumbai**
- ii) Estimated Cost : INR 4,50,00,000 /-
- iii) Earnest Money : 9,00,000 /-

Note: Earnest Money in original to be submitted in the form of Fixed Deposit Receipt or in the form of Demand Draft / Bankers Cheque / Pay Order of a Scheduled Bank, issued in favour of **Accounts Officer, BARC, Mumbai.**

A part of Earnest Money is acceptable in the form of Bank Guarantee also. In such case minimum 50 % of the Earnest Money or **Rs.20.00 Lakhs**, whichever is less, shall be in the form prescribed above and balance can be accepted in the form of Bank Guarantee issued by a Scheduled Bank as per Appendix 'A' of Tender Part 'A'.

- iv) Tender Processing Fee : **Rs. 5900/-** by e-payment through electronic mode (Non-returnable) in favor of M/s ITI Limited, New Delhi.
- v) Period of completion : **Fourteen months (14 months)**
- vi) Dates for Request for purchase / Download of Tender Document (excel / word formats) : From **26-12-2017 (15:00 Hrs) to 12-01-2018 (15:00 Hrs.)** on website **www.tenderwizard.com/DAE**. Detailed NIT is also available on website **www.barc.gov.in** for view only.
- vii) Date of Pre-bid clarification : Last Date to send pre- bid queries **18-01-2018**. The contractors are requested to attend Pre-bid meeting on

**19-01-2018** at North Gate, BARC (11.00Hrs). The pre-Bid Clarifications (MOM) will be uploaded on website [www.tenderwizard.com/DAE](http://www.tenderwizard.com/DAE).

- viii) Last date and time of closing of online submission of tenders : **01-02-2018 (15:00 Hrs.)**
- ix) Last date for submission of original documents towards cost of Tender Document, Receipt of e-payment towards Tender Processing Fee and EMD : On or before **06-02-2018 (15:00 Hrs.)** to Assistant Personnel Officer, RRDPD, BARC, Trombay, Mumbai 400085 in a sealed super scribed envelope mentioning name of work and NIT Number. Original documents should be submitted preferably in person. It should not be put in drop box at gate. However documents sent by post or courier will also be considered provided the same is received within due date & time.
- x) Date and time of online opening of Part A : **06-02-2018 (15:30 Hrs.)**
- xi) Date of opening of Part B of qualified bidders : Will be notified at a later date.

## **INFORMATION, ELIGIBILITY CRITERIA, CONDITIONS AND INSTRUCTIONS**

### **Information:**

2. Tender document is prepared in two parts viz. Part 'A' (Techno commercial Bid) and Part 'B' (Financial Bid). Part 'A' consists of Techno commercial Bid viz. Section I - Notice Inviting e-Tender (English & Hindi versions), Section II - Form of Agreement & General Rules and Directions / guidance for the Contractors, Memorandum, Section III – General Conditions of Contract, Additional conditions, Section IV - Special Instructions to Tenderers, Section V - Technical specifications, Section VI - List of Tender Drawings, Section VII - Schedule 'A' (Schedule of Materials to be supplied by Department), Appendix 'A' - Bid Security (Bank Guarantee), Appendix 'B' - Form of BG bond for performance security, Appendix 'C'- Indenture for secured advance, Annexure 'A' – Statement of men and machinery, Annexure 'B' - List of approved manufacturer of equipment & materials and Schedules 'A' to 'F'. Part 'B' (Financial bid) consists of Schedule 'B' - Schedule of Quantities.

Prospective Bidders or general public can see and download free of cost **PDF format** of the above documents from website [www.tenderwizard.com/DAE](http://www.tenderwizard.com/DAE) **TENDERS OF DAE** Bhabha Atomic Research Centre.

To participate in the tender, Prospective Bidders are required to download the **excel format** of Part A – Techno-commercial Bid, containing Techno-commercial Sheet, Annexure A, List of similar works

Completed & List of works in Hand and Part B- Financial Bid containing Schedule 'B', after Login in the Home page of the website [www.tenderwizard.com/DAE](http://www.tenderwizard.com/DAE) with their **User ID / Password & Class III Digital Signature Certificate. Steps to download EXEL documents are following:**

- i. Click on “UNAPPLIED” button;
- ii. Click on “REQUEST” icon (blue colour),
- iii. Pay TENDER PROCESSING FEE online.
- iv. Click on “SUBMIT” button.
- v. Click on “IN PROGRESS” button.
- vi. In status column bidder will find the tender as RECEIVED.
- vii. Bidder will be able to download required Tender Documents by clicking “EDIT ATTACHMENT” icon for any number of times till last date of submission.

Prospective bidders have to fill the **excel documents** and upload the same **without renaming** it. Please refer Help Manual for submission of Tender / contact Help Desk as per NIT.

The Tender documents - Section II, III, IV & V and 'Construction safety manual' will also form part of Tender Document. It is available on website "[www.tenderwizard.com/DAE/Downloads/BARC DOCUMENTS](http://www.tenderwizard.com/DAE/Downloads/BARC DOCUMENTS)".

A set of tender drawings (Section VI) for the mentioned works will be made available to the tenderer only for reading in the office of Tender Inviting Authority during the mentioned tender sale period and bidders, if required can come personally to study the drawings and the same shall not be available on the web site.

All the above documents will form part of Agreement after award of work to the successful bidder.

#### **INITIAL ELIGIBILITY CRITERIA:**

3. The bidder should have the following :
  - (a) Registration in Appropriate Class of Contractors, if any
  - (b) Bank Solvency Certificate of a Nationalized Bank / Scheduled Bank for a minimum of **Rs. 1,80,00,000/- (40% of estimated cost)** and should not be older than one year from the date of opening of tender.
  - (c) Average Annual Financial Turnover in respect of supply of process component or system should be at least **Rs.4,50,00,000/- 100% of estimated cost**, during the immediate last 3 consecutive financial year ending **31st March 2017**. This should be duly audited by a registered Chartered Accountant.
  - (d) Should not have incurred any loss in more than two years during last five years ending **31st March 2018**.
  - (e) The firm shall not be under court receivership or under liquidation.
  - (f) **List (use proformas given in section 35) of completed similar works (along with completion certificate issued by competent authority of client of works) during last 7 years. The "similar works" means**
    - i. **"Design, Fabrication, Inspection & Testing and Installation & Integrated testing of process systems in compliance with ASME Section III (Subsection NB, NC or ND) or ASME Section VIII (Division 1 or Division 2) code including its instrumentations & control systems "****OR**

- ii. "Manufacturing and Supply of Reactor process systems to Nuclear Industry conforming to ASME Section III Division I, Subsection NB or NC".  
OR
- iii. "Design, Manufacturing and Supply and installation of High Pressure (Greater than 100 bar) & High Temperature (Greater than 250°C) Process equipment conforming to ASME code ".

**The similar works should have been executed in India.**

- (g) List of construction Plant & Machinery, equipment & other infrastructure facilities to complete the work in time.
  - (h) List of required Technical Staff.
  - (i) Valid GST Registration Number
  - (j) Permanent Account Number (PAN).
4. The bidder should have satisfactorily completed (based on certification of performance issued by competent authority of client of the works) **3 (Three)** similar works each of value not less than **Rs. 1,80,00,000/-** (40% of estimated cost put to tender) or **2 (Two)** similar works each of value not less than **Rs. 2,70,00,000/-** (60% of estimated cost put to tender) or **1 (One)** similar work of value not less than **Rs. 3,60,00,000/-** (80% of estimated cost put to tender) during the last 7 (Seven) years **ending previous day of the last date of submission of tender upto which the tender is invited.** For the purpose, 'cost of work' shall mean gross value of the completed work including the cost of materials supplied by the Govt./Client, but excluding those supplied free of cost.
  5. The value of executed works shall be brought to the current costing level by enhancing the actual value of work at simple rate of 7 % per annum, calculated from the date of completion to last date for request for purchase / download of Tender Document.
  6. The bidding capacity of the contractor applicable should be equal to or more than the estimated cost of the work put to tender. The bidding capacity shall be worked out by the following formula:  
**Bidding Capacity = [A x N x 2] – B**  
Where,  
A = Maximum turnover in construction works executed in any one year during the last five years taking into account the completed as well as works in progress. The value of completed works shall be brought to current costing level by enhancing at a simple rate of 7% per annum.  
N= Number of years prescribed for completion of work for which bids have been invited.  
B= Value of existing commitments and ongoing works to be completed during the period of completion of work for which bids have been invited.
  7. **Bidder should be a registered firm in India. Joint Ventures and or Consortiums are not acceptable.**

## CONDITIONS:

8. After opening of Part 'A' of tender, Chief Engineer shall constitute an inspection team which will visit selected worksites of ongoing/completed works of the tenderers to evaluate the capability of the tenderers based on the following.
  - a) Financial capability and their turnover during the last 5 years.
  - b) Technical capabilities of the company in the light of subject work.
  - c) Nature of works executed by the tenderer during last 7 years.
  - d) Organizational structure of the company.
  - e) Necessary Resource required by company to carry out the subject work.
  - f) Time & quality consciousness.
  - g) Tendency of the company with regard to making extraneous claims and disputes.
  - h) Site planning ability.
  - i) Tendency of the company to award the work on back to back / subletting.
9. As per the security procedure in force in Bhabha Atomic Research Centre, the successful bidder shall be vetted by the Security Section of BARC before award of the work.
10. No modifications in the tender shall be allowed after opening Part 'A'.
11. Tenders with any condition including conditional rebate shall be rejected. However, tenders with unconditional rebate will be accepted.
12. **If any information furnished by the applicant is found to be incorrect at a later stage, they shall be liable to be debarred from tendering / taking up works in BARC in future forever. Also if such a violation comes to the notice of Department before start of work, the Engineer-in-charge shall be free to forfeit the entire amount of EMD and Performance Guarantee.**
13. The time allowed for carrying out the work will be reckoned from the 15<sup>th</sup> day after date of written order to commence the work or from the first day of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
14. Tender will be kept valid for **180** (One Hundred Eighty) days from the last date of closing of online submission of tenders.
15. In case the last date of receipt of original document towards Tender Processing Fee, EMD and opening of tender are declared as holiday, the respective date shall be treated as postponed to the next working day, correspondingly.
16. Original Fixed Deposit Receipt/Demand Draft/Banker's Cheque/Pay Order and Bank Guarantee, as applicable, towards Cost of Tender Document, Tender Processing Fee and Earnest Money Deposit in the form as stipulated in tender documents shall be deposited at North Gate to Engineer-in-charge of RRDPD, BARC, Trombay, Mumbai 400085 on or before the time of opening of Part 'A' otherwise Tenders are liable to be rejected and will not be processed further.
17. **Cheques for Earnest Money Deposit/Cost of Tender Document/Tender Processing Fee will not be accepted.**
18. The contractor whose tender is accepted will be required to furnish by way of security deposit for the due fulfillment of his contract, such sum as will amount to **2.5%** (Two point five Percent) of the

tendered value of work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as performance Security before commencement of work, but not later than the stipulated date of commencement. Performance Security of 5% can also be accepted in the form of Bank guarantees (in case Performance Security exceeds Rs. 1.00 Lakh), fixed deposit receipts of Scheduled Banks or in the form of Government Securities.

19. The Security Deposit will be collected by deducting @ 2.5% of the gross amount of the running bill of the contractor till the total security deposit recovered becomes 2.5% of the tendered value of work. The Security deposit will also be accepted in the form of Government Securities, Fixed Deposit Receipts of Scheduled Bank and Nationalized Bank. These shall be endorsed in favour of the Accounts Officer, BARC, Mumbai. **Earnest Money deposit of successful bidder shall be returned back/refunded on receipt of Performance Security Deposit**, however in case Performance Security Deposit is in the form of Bank Guarantee, Earnest Money Deposit will be released subsequent to confirmation of verification of Bank Guarantee from the issuing Bank.
20. If the successful tenderer, fails to furnish the prescribed performance guarantee on or before stipulated dates of commencement the department (BARC) shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.
21. The acceptance of tender shall rest with department which does not bind itself to accept the lowest tender and reserves rights to itself the authority to reject any or all of the tenders received, without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or incomplete (in any respect) are liable to be rejected.
22. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
23. **On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-In-charge shall be communicated to the Engineer-In-charge.**
24. The department reserves the right to accept the whole or only part of the tender and the tenderer shall be bound to perform the same at the rates quoted.
25. **Levy/Taxes Payable by Contractor**
  - i) GST shall mean Goods and Service Tax- Central, State and Inter State.
  - ii) **GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act, 2017) provided by the contract shall be verified if different from that applicable on the last date of receipt of tender including extension if any.**
  - iii) Labour welfare cess @1% of gross value of work done shall be recovered from each bill paid to the contractor.
  - iv) Income tax and cess as applicable shall be deducted from each bill paid to the contractor.
  - v) Any other taxes/cess as per Government directives shall be deducted from each bill paid to the contractor from time to time.
  - vi) Contractor should be registered under EPF and ESIC and as per law or if department asks for then contractor shall pay EPF and ESIC of contract workers to concerned department and it will be

reimbursed to him by the department after satisfying that it has been actually and genuinely paid by the contractor. The bidder should not consider EPF and ESIC in his rates.

vii) Any other taxes / Cess as per government directives shall be deducted from each bill paid to the contractor from time to time.

- 26.** If any tenderer withdraws his tender within the validity period and before award of work whichever is earlier or make any modifications in the terms and conditions of the tender which are not acceptable **to the department, then the Government shall without prejudice to any right or remedy, be at liberty to forfeit 50 % (Fifty Percent) of the Earnest Money absolutely.**

Further, the tenderer shall not be allowed to participate in the re-tendering process of the work.

- 27.** After award of work to the successful bidder, the contractor shall submit time schedule & cash flow statement for approval of Competent Authority which will form part of Agreement.
- 28.** The Successful bidder whose tender is accepted will be required to obtain Police Verification Certificate (PVC) issued by Special Branch of Police at his own cost and responsibility for all his workmen i.e. Engineers, Supervisors and Labours to work in BARC, Trombay and should quote accordingly. The PVC will be valid for three years.

In case of receipt of any adverse charter and antecedent remarks/notification against the Contractor/Company/Firm/Proprietor and/or his contract Personnel, consequent to the security vetting, BARC reserves absolute right to terminate the contract forthwith without assigning reason/show cause notice. Under the circumstance the Contractor will have no right to claim good any losses/liability that may be incurred as consequence to the above action initiated by BARC. Department also reserves right to forfeit in part/full performance security and/or security deposit in possession of the Government for failure on the part of the contractor to abide/adhere to the Security instruction issued by DAE/BARC from time to time.

### **INSTRUCTIONS:**

- 29.** The contractor should be registered with [www.tenderwizard.com/DAE](http://www.tenderwizard.com/DAE). Those contractors not registered on the website mentioned above, are required to get registered. If needed, they can be imparted training for online bidding process as per details available on the website.
- 30.** The intending bidder must have valid class-III digital signature key to purchase / Download of Tender Document (excel / word formats).
- 31.** The bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards cost of tender document and EMD in favour of "Accounts Officer, BARC, Mumbai" and Processing Fee in favour of "ITI Limited, New Delhi" and other documents as specified.
- 32.** Tenders will be received online up to time & date as mentioned above. Part A will be opened on the time & date as mentioned above. The Cost of Tender Document, Receipt of Tender Processing Fee and EMD will be checked first. If found in order, Part A will be opened. After opening of Part A, for evaluation, the contractor's ongoing / completed work sites & offices will be visited and their Techno commercial Bid related documents shall be evaluated and accordingly tenderers will be qualified/disqualified by the Competent Authority. The Part 'B' (Financial Bid) of the qualified tenderers shall then be opened at



notified date and time. Date of opening of Part 'B' (Financial Bid) will be intimated to all bidders by email.

- 33.** The contractor can login and see the status of bids after tender opening date.
- 34.** Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in **YELLOW** colour and the moment rate is entered, it turns **SKY BLUE**. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
- 35.** The Contractor shall submit a detailed list of similar works carried by them during the last 7 years ending on the last day of the month previous to the one in which the applications are invited and also works in hand (progress) and certifying that the list of works are complete and no works have been left out in the proformas provided below :

**PROFORMA FOR DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE LAST SEVEN YEARS**

Sr. No.	Name of work/ project and location	Owner or sponsoring organisation	Cost of work in Lakhs Rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / arbitration cases pending / in progress with details (indicate gross amount claimed and amount awarded by the Arbitrator)	Name and address/ telephone number of client officer to whom reference may be made	Re- marks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

**PROFORMA FOR PROJECTS UNDER EXECUTION OR AWARDED**

Sr. No.	Name of work/ project and location	Owner or sponsoring organisation	Cost of work in Lakhs Rupees	Date of commencement as per contract	Stipulated date of completion	Upto date percentage progress of work	Slow progress if any and reasons thereof	Name and address / telephone number of client officer to whom reference may be made	Re- marks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

**36. List of Documents to be scanned from original & uploaded within the period of bid submission by bidder:**

- i. Financial Turn Over certified by CA.
- ii. Profit & Loss statement certified by CA.
- iii. Latest Bank Solvency Certificate.
- iv. List of Construction Plants and Machinery
- v. List of Technical Staff
- vi. Certificates:
  - a. Registration certificate, if any
  - b. Certificates of Work Experience / Performance Certificates
  - c. Certificate of Registration for Sales Tax / VAT / WCT
  - d. TIN Registration Certificate
  - e. PAN (Permanent Account Number) Registration
- vii. FDR/DD/PO/BC of any Scheduled Bank against **EMD**.
- viii. Bank Guarantee of any Scheduled Bank against part of **EMD, if any**.
- ix. Undertaking that the eligible similar work(s) have not been executed through another contractor on back to back basis.
- x. Undertaking as per Part A: Section II & Clause 11 of General Conditions of Contract.

Note : During technical evaluation, missing documents if any can be asked by inspection committee for submission.

**37. The Bidder is required to fill the following:**

- a) Part - 'A'(Techno commercial Bid)
- b) Manpower & Machinery proposed for the work (Annexure 'A')
- c) Data sheet
- d) List of similar works completed during last seven years
- e) List of works in hand.
- f) Schedule - 'B'(Financial Bid)

**NOTES:**

1. Registered contractors can only purchase/download & submit/upload tenders after paying requisite fees.
2. Interested agencies may visit website **[www.tenderwizard.com/DAE](http://www.tenderwizard.com/DAE)** for registration.

3. Contact phone numbers for assistance/ clarifications **(022) 25594207, 25595610, 25596277, Fax: (022-25505311)**
4. Contact for assistance for registration and participation in e-Tendering:
  - a) Shri Rudresh : 09969395522, email: twhelpdesk231@gmail.com
  - b) Shri Atindra Joshi: 09665571896, e mail : joshi.atindra@gmail.com
  - c) **Tender WizardHelp Desk**: 080 40482000 (9am to 6pm – Mon to Sat)
5. Email Ids for sending pre-bid queries:

To - kotakvk@barc.gov.in, samsen@barc.gov.in

Cc:- subhatt@barc.gov.in
6. **In case difference between wordings of English and Hindi version of NIT, the English version will prevail.**
7. Please note that to enter B.A.R.C., photo-identity (passport, driving license, voter's I-card, I-card issued by the employer, etc. is a must.
8. Prior confirmation on Phone 25594207/25595610/25596268/25596277 shall have to be taken by the bidder so as to arrange for an entry to BARC.

**Chief Engineer & ADRG**  
Bhabha Atomic Research Centre  
For and on behalf of President of India