

Centre for Development of Advanced Computing (C-DAC)

(A Scientific Society under Ministry of Communications & IT, Govt. of India)
CDAC Knowledge Park, No.1, Old Madras Road, Byappanahalli, Bangalore-560038
Ph: 080-66116400/01/02/03 Fax: 080-25247724

Ref No: C-DAC/EOI/HPC/Up gradation/11-12

June 25, 2011.

Notice Inviting "Expression of Interest" (EOI) for upgrading of HPC system at C-DAC Knowledge Park, Bangalore.

Invitation of "Expression of Interest" for Upgrading of HPC systems at CDAC, Knowledge Park, Bangalore

Centre for Development of Advanced Computing (C-DAC), CDAC Knowledge Park, Bangalore invites "Expression of Interest" for the purpose of upgrading of HPC system from reputed organizations with experience in similar fields. In this regard, applications for Expression of Interest (EOI) would be invited in the first phase and the technical & financial bids would be invited in the second phase after evaluating the EOIs.

1.0 ABOUT C-DAC

C-DAC is India's national initiative in Advanced Computing with the mission to deliver state-of-the-art, scalable high performance computers in the desktop to teraflop range, embodying the emerging industry standard building blocks. C-DAC's HPCC (High Performance Computing and Communication) initiatives are aimed at designing, developing and deploying advanced computing systems, tools and technologies that impact strategically important application areas.

The C-DAC's Tera scale Supercomputing Facility (CTSF) was setup to extend the use of supercomputing facility to various academic institutions & research labs that need to process their diverse engineering, scientific and computational applications across multiple research domains. The facility is also being used for developing new applications and there is latent demand for more resources among these research communities to handle problems which are more realistic and complex in nature. The research requirements in the areas of computation, grids, visualization etc., also require this facility.

2.0 SCOPE OF WORK

- To address the above requirements, C-DAC invites "Expression of Interest" (EOI) from reputed IT Firms/Organizations to provide a solution to upgrade the computing facility to the tune of 20 Teraflops (TF) which can be scaled up further in future.
- The vendors have to provide benchmarking data at N, N/2 and 2N scalable systems (where N = 20 TF). Benchmarking should be done for few specific applications such as High Performance Linpack (HPL), Tarang - Turbulence simulation (CFD) and mpiBLAST / MEME (Bioinformatics). Vendors should provide the performance in FLOPS rating or execution time. The input data, source code as well as details of executing the application will be shared (in a DVD) at the time of PRE-BID meeting.

- In case of hybrid HPC cluster (CPU + GPU), 80% of the performance should be obtained from general purpose CPU with double precision option.
- Provide Green computing solution within existing power supply of 60KW, cooling capacity of 15 tons and available space with floor strength constraint (1000 kg/m²).
- The objective of the EOI is to shortlist suitable vendors who can provide a solution to setup a 20 TF (peak performance) HPC cluster based on 64-bit processors from x86 family (Intel or AMD) / RISC/ EPIC using latest family of processors.

3.0 PRE-QUALIFICATION CRITERION:

The criteria for selection is as follows:

- The Bidder should be a reputed Original Equipment Manufacturer (OEM) or its authorized Direct Distributor / Dealer. In case of an authorized distributor/dealer an Undertaking, in original, from the OEM is required clearly stating that the Bidder is an authorized dealer of OEM as well as they (OEM) would facilitate the bidder on regular basis with technology / products updates & extend support for the warranty period. In absence of such undertaking, the EOI document is liable to be rejected.
- Should have the main/branch office at Bangalore to ensure satisfactory after sales service support.
- Should have all the necessary statutory requirements like registration of Sales Tax, Service Tax, TIN, LST / CST, VAT, PF, ESI, PAN, etc. Enclose proof thereof.
- Document showing a minimum annual sales turnover of Rupees Two Crores during the last two consecutive years out of the preceding three financial years.
- Solvency certificate (not older than twelve months) for Rupees One Crore issued by scheduled/nationalized bank with which bidder holds the current account.

4.0 INSTRUCTIONS TO BIDDERS FOR FORMULATION AND SUBMISSION OF PROPOSALS

- The instructions mentioned should be read carefully by the Organizations before submitting the bid.
- C-DAC may ask for clarifications or further information to evaluate the Expression of Interests.
- If any information sought in this document is missing or not clearly specified by the bidder, it will be assumed that the Organization is not in a position to supply the information.
- A tender fee of Rs.2,000/- (non refundable) in the form of crossed Demand Draft in favour of C-DAC payable at Bangalore shall be submitted with EOI document. EOI without tender fee shall be rejected.
- This document is not a Request for Proposal (RFP). After evaluation of the "Expression of Interest, the shortlisted vendors will be provided with full set of tender documents and they should furnish their proposal in two part Bid system i.e., Technical bid and Price bid in separate covers.

- CDAC reserves the right to accept or reject any application without assigning any reasons whatsoever.
- Canvassing in any form would disqualify the bidder.

5.0 PRE-BID MEETING

1. A pre-bid meeting of all the Bidders would be held at C-DAC Knowledge Park Centre, Bangalore on 01-07-2011 at 3 p.m.
2. A maximum of two authorized representatives per Bidder may attend the Pre-bid meeting.
3. Any queries/clarifications may be sent by e-mail to ctsf@cdacb.ernet.in by the bidders before the date specified under clause 6.0 below.
4. All relevant issues may be raised by Bidders at the Pre-Bid Meeting.
5. All queries raised by the Bidders and clarifications furnished by C-DAC at the Pre-bid Meeting will be documented and made available in our website www.cdacb.in subsequently. However, C-DAC reserves the right to defer answering any such question or to decline to answer any such question, which it considers inappropriate.
6. C-DAC may issue clarifications/amendments/modifications/ and/ or revised version of scope of work/other terms and conditions mentioned in the document and such amendments will be made available in our website www.cdacb.in
7. An undertaking (self certificate) is to be submitted that the Organization has not been blacklisted by any Central/State Government Department/Organization.
8. Please note that all the pages of the EOI documents should be signed with date and seal of the Organization.
9. The covering letter to be submitted by the Bidder along with EOI should be as per the format given in this document on applicant's company Letter Head.

6.0 SCHEDULE FOR SUBMISSION OF EOI:

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| 1. | Issue of EOI Document | : | 27-06-2011 to 22-07-2011 up to 5:00 pm |
| 2. | Pre-bid Meeting | : | 01.07.2011 at 15.00 hrs |
| 3. | Last Date for submission of queries
(Queries may be submitted to
ctsf@cdacb.ernet.in) | : | 11.07.2011 |
| 4. | Last date and time for submission of
completed EOI document along with
documentary evidence as per
"Prequalification - Proforma I" | : | 25.07.2011 at 15.00 hrs |
| 5. | Opening of EOI | : | 25.07.2011 at 15.30 hrs. |

All the pages of EOI document should be duly signed and stamped by the competent authority. The completed EOI document shall be submitted in a sealed envelope super scribing "**Expression of Interest for upgrading of HPC system**" on or before the date and time of submission at the following address:

The Head - MMG

Centre for Development of Advanced Computing (C-DAC),
C-DAC Knowledge Park, No.1 Old Madras Road,
Byappanahalli,
Bangalore – 560 038
Phone No.080-66116400/01/02/03
Fax No.080-25247724

The Head (MMG)

Format of Application Form

(On Applicant Company's Letter Head)

To:

The Head (Materials Management Group)
 Centre for Development of Advanced Computing (C-DAC),
 C-DAC Knowledge Park, No.1 Old Madras Road,
 Byappanahalli,
 Bangalore – 560 038

Dear sir,

Sub: Expression of Interest for Upgrading of HPC systems at CDAC, Knowledge Park, Bangalore

This has reference to the advertisement that was published in (give the name of the Newspaper and the date) about Upgrading of HPC systems at CDAC, Knowledge Park, Bangalore. We are interested in submitting our "Expression of Interest" (EOI) for the same.

We are enclosing a demand draft (No..... date.....) drawn on (Bank Name) for Rs.2,000/- (Rupees Two Thousand Only) drawn in favour of "CDAC payable at Bangalore as application fee.

We would like to state that we qualify for this work as our company meets all the pre-qualifying criteria prescribed by you. The details are as under:

PRE-QUALIFICATION – PROFORMA-I

PARTICULARS / DOCUMENTS TO BE FURNISHED FOR THE PURPOSE OF PRE-QUALIFICATION ALONG WITH EOI

Name of Organization /Firm/Company	
Year of establishment	
Are you an authorized dealer of the OEM? If yes, then submit a copy of Authorization from the manufacturer.	
Address & Telephone Numbers	
Address & Telephone Numbers of Office/Branch Office in Bangalore. Mention the names and mobile numbers of contact persons.	
Status of the firm (Company/ Firm/ Proprietary) enclose the supporting document	

EOI No: C-DAC/EOI/HPC/Up gradation/11-12

Dated: 25.06.2011

Whether registered with the registrar of companies /registrar of firms. If so, mention number and date.	
Turnover of the Company during the last three years (Attach Annual reports)	
Solvency certificate (not older than twelve months) for Rupees One Crore issued by scheduled/nationalized bank with which bidder holds the current account.	
a) Name & Mobile Numbers of Directors / Partners / Proprietor	i) ii) iii)
Whether registered with Central Excise for Service Tax. Please submit a copy of Service Tax Registration Certificate.	
Whether registered for sales tax purposes. If so, mention number and date. Furnish also copies of sales tax clearance certificate. Mention the VAT / LST / CST enclose the relevant copies	
Whether an assessee of income tax. If so, mention permanent account number. Furnish copy of PAN	
Status and details of disputes/ litigation/ arbitration, if any.	i) ii) iii)
Whether the Organization has been blacklisted by any Central /State Government Department Organization.	
An undertaking (self certificate) is to be submitted that the Organization has not been blacklisted by any Central/State Government Department / Organization.	

We understand that if the details given in support of claims made above are found to be untenable or unverifiable or both, our EOI may be rejected without any reference to us.

Yours sincerely,

Signature with Name & Seal

Place:

Date: