



सी.एस.आई.आर-संरचनात्मक अभियांत्रिकी अनुसंधान केन्द्र
CSIR-STRUCTURAL ENGINEERING RESEARCH CENTRE

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद Council of Scientific and Industrial Research)

सी.एस.आई.आर परिसर CSIR CAMPUS, तरमणि TARAMANI, चेन्नै CHENNAI - 600 113. भारत INDIA

दूरभाष Tel: 044-22549108/09, 22541238 फैक्स Fax: 044-22542211 ई-मैल E-mail:puroff@serc.res.in.

(TWO BID SYSTEM)

EMD TO BE SUBMITTED : Rs.2,00,000/-.

(EMD by way of Demand Draft drawn infavour of "The Director, CSIR-SERC, Chennai" should be submitted to CSIR-SERC before 12.02.2018 -14.00hrs.IST)

Tender Enquiry No.A3(51053)2018/Pur dt.06.02.2019.

DUE DATE FOR SUBMISSION OF OFFER: 12.02.2019 – 14.00 hrs. IST

The quotation (Technical Bid) will be opened on 13.02.2019 at 14.30 hrs. IST.

Only online e- tenders are invited for the following:

Sl. No.	Detailed Specification of the Stores	Quantity
1.	Supply, Installation and configuration of latest version of Nonlinear analysis software Ansys <ul style="list-style-type: none">• ANSYS Mechanical CFD Research• ANSYS Academic Research HPC 32 Core• ANSYS Autodyn (Commercial)• ANSYS HPC Workgroup - 32 core (Commerical)	5 Licenses 1 1 License 1

Terms and Conditions

I Technical

1. The software shall be the latest commercially available version and have capabilities to :
 - solve linear, nonlinear, static and dynamic problems
 - carry out independent modelling/simulation, analysis and post processing
 - describe the behaviour of a range of engineering materials at different length and time scales
 - simulate crack, impact, crash, failure, computational fluid dynamics
 - conduct implicit and explicit analysis
 - define and solve multi-physics and coupled problems
2. The software should be able to be configured for multi-user, multi-core, multi-processor and multi-node servers. The licensing procedure for such cases has to be explicitly stated in the quote.



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3. The software should be installed, configured and demonstrated with all the requested features on the 64-bit High Performance Computing Cluster (HPCC) environment available with CSIR-SERC. The major features of the cluster are:
 - One Master Node and 10 Compute Nodes with a total of 240 Cores.
 - CentOS operating system.
 - Community version PBS Pro scheduler
 - Independent license servers for installing the network licenses of the software
4. The working of the software shall be demonstrated in the above environment and with the following configuration:
 - Network license to be installed on dedicated license servers
 - Two ways of executing the software by installing on
 - (i) Master Node with option to vary the number of Cores for solution in HPC environment using the network license
 - (ii) 64 bit standalone computers with Linux or Windows operating system and executable using network license.
5. The software shall be accessible to users on high speed LAN in Taramani Campus of CSIR-SERC. Similarly, the users at TTRS campus (Trisoolam) also should be able to access the software without any additional requirement on hardware or software. At present, the network at TTRS is seamlessly connected with LAN at Taramani Campus.
6. Advanced training on theoretical background, software usage, etc. with customized syllabus shall be imparted to the users for a minimum of 10 working days.
7. The software should include necessary manuals for reference in terms of theory, usage, etc.
8. The software shall include capability to import CAD models in neutral / standard graphics file formats like IGES, STEP, STL, DXF, etc.

II General

1. The quote may include bundle options for more than 5 users license.
2. The quote should include item-wise detailed price.
3. Online user support system with maximum 1 working day response time.
4. Minimum one year warranty with free upgrade shall be provided from the date of installation and successful demonstration. The quote shall include AMC charges for upto 2 years of post-warranty period with free upgrade.
5. The number of licenses to be purchased may increase or decrease during the purchase process after considering the associated factors.



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Optional

The quote shall include the AMC charges for the 4th and 5th year after installation and demonstration of the software.

Terms and Conditions:-

All the terms of supply as available in our website www.serc.res.in is applicable.

Controller of Stores & Purchase
For Director