

 The logo of the National Institute of Pharmaceutical Education and Research (NIPER) is a diamond-shaped emblem. It features a central caduceus (a staff with two snakes entwined around it and wings at the top) set against a background of a book and a mortar and pestle. The word 'NIPER' is written in a stylized font across the top of the diamond, and '1983' is written at the bottom. The entire emblem is enclosed in a decorative border.	<p>NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH (NIPER) Sector 67, S.A.S. Nagar (Mohali) Telephone No. 2214682-87, Fax No. 0172-2214692</p>
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E-Tender Notice T9/2017
(E-Tender for High Performance Compute Cluster)

Online tender are invited on behalf of the Director, National Institute of Pharmaceutical Education and Research (NIPER) for purchase of **High Performance compute cluster**. For details tender document eligibility criteria, Corrigendum/Addendum/if any and for applying online visit the website <http://tenderwizard.com/niper> & <http://niper.gov.in>. Bid(s) shall be accepted only through online mode and no manual submission shall be entertained. Director, NIPER reserves the right to reject any or all tenders without assigning any reasons.

Registrar

E-Tender Notice T9 /2017
(E-Tender for High Performance Compute Cluster)

National Institute of Pharmaceutical Education and Research (NIPER) invites online e-tenders in two – bid format for High Performance Compute (HPC) Cluster at the Institute as per the specification given in the tender documents and other details can be obtained from the website: www.tenderwizard.com/NIPER and official website of the NIPER <http://www.niper.gov.in>. The e-tender also available on Govt. of India's Central Public Procurement Portal (e –procurement) i.e. <http://eprocure.gov.in/>.

1	Downloading of e-tender document	Start Date: 30.10.2017 at 09.00 AM
		End Date : 28.11.2017 at 01.00 P.M
2	Date of submission of e-tender	Start Date : 31.10.2017 at 10.00AM
		End Date : 28.11.2017 at 03.00 P.M
3	Physical submission of Tender fee and EMD (offline)	Start Date : 30.10.2017 at 10.00AM
		End Date : 28.11.2017 at 03.00 P.M
4	Opening of Technical Bid (online)	29.11.2017 at 11.00 A.M

Director, NIPER reserves the right to reject any or all tenders without assigning any reasons. Corrigendum/Addendum or Cancellation of this advertisement, if any, shall be published on NIPER Website and www.tenderwizard.com/NIPER.

For participating in the above e-tender, the bidder shall have to get themselves registered with <http://tenderwizard.com/NIPER> and get user ID & password. Class 3 Digital Signature Certificate (DSC) is mandatory to participate in the e-tendering process. For any clarification/difficulty regarding e-tendering Process flow please contact on helpdesk numbers 09257209340, 08045628821, 0172-5035950.

Registrar

Technical Specification

Turnkey Solution for High Performance Compute (HPC) Cluster

Rack server based (non-blade) high performance compute cluster is required by NIPER to run applications (such as Gaussian, AMBER, GROMACS, NAMD etc.) in the areas of bioinformatics, genomics and molecular simulations. Detailed specifications for HPC cluster are given below.

Master Node	Processor	Intel Xeon E5 latest generation processor having at least 12 cores/24 threads with minimum clockspeed of 2.6 GHz.
	Memory	64GB DDR4 2400 MHz ECC using 16GB DIMMS per Processor
	Hard disk space	2x 1000GB, 7200 RPM, 6Gbps, Enterprise SATA HDD or Higher, (upto 4HDDS support) RAID 0,1 support
	Network	2 x Gigabit (10/100/1000Mbps) Ethernet ports
	InfiniBand	InfiniBand 4X FDR (56Gbps) HCA or higher with a port
	Management	10/100 Mbps or higher Ethernet Management Port providing complete remote GUI and IPMI 2.0 /KVM and media over LAN for Out-of-Band Management
	OS certification/ support	System is certified on 64 bit CentOS/ RHEL Linux Operating System
	Power Supply and Fans	Fully Redundant hot plug power supply and fans
	Graphics	On Board Graphics
	Expansion	2 x PCI-Express x 8
	Ports	1 x serial, 4USB, 2 x network, 1x management, 1x infiniband
	Chassis	1U/2U rack mountable with rail-kit (with complete rack mounting accessories)
	Optical Drive	Slim DVD-RW Drive

Compute Node	Processor	Intel Xeon E5 latest generation processor having at least 12 cores/24 threads with minimum clockspeed of 2.6 GHz.
	Memory	64GB DDR4 2400 MHz ECC using 16GB DIMMS per Processor
	Hard disk space	1x 1000GB, 7200 RPM, 6Gbps, Enterprise SATA HDD or Higher, (upto 4HDDS support) RAID 0,1 support
	Network	2 x Gigabit (10/100/1000Mbps) Ethernet ports
	InfiniBand	InfiniBand 4X FDR (56Gbps) HCA or higher with a port
	Management	10/100 Mbps or higher Ethernet Management Port providing complete remote GUI and IPMI 2.0 /KVM and media over LAN for Out-of-Band Management

	OS certification/ support	System is certified on 64 bit CentOS/ RHEL Linux Operating System
	Power Supply and Fans	Hot plug power supply and fans
	Graphics	On Board Graphics
	Expansion	2 x PCI-Express x 8
	Ports	1 x serial, 4USB, 2 x network, 1x management, 1x infiniband
	Chassis	0.5U/1U/2U rack mountable with rail-kit (with complete rack mounting accessories)
	Number of cores	Total number of all the compute nodes should provide at least 192 cores/ 384 threads. Each compute node must have same specifications.

Cables, wires and other accessories	Suitable number of InfiniBand, CAT6 cables, electrical cables and adaptors etc. must conform to industry standards and should be supplied.	
Switches	InfiniBand Switch	18 or more ports supporting 4X FDR (56Gb/s) or higher speed interconnect fabric with management module. Fully 100% non-blocking bandwidth; Redundant power supplies and fans.
	Networking Switches (Two)	A switch must be able to support 24 or more gigabit ports for setting up cluster network. Second switch shall be used to connect all HPC nodes for cluster management, provisioning and IPMI management.
Software	Operating System	64-bit latest CentOS enterprise Linux (open source) or Red Hat Enterprise Linux with support
	HPC Software	<ol style="list-style-type: none"> 1. Job scheduler- Open source PBS/Torque 2. Open source cluster and HPC monitoring such as Nagios, ganglia, management software etc. 3. Compatible latest OFED drivers, OpenMPI, MPICH2, MVAPICH and open source/free libraries- LAPACK,FFTW, BLAS etc. required to run jobs
	Compilers	GNU Compiler (C, C++ and Fortran); Intel compilers (academic version)
Rail kit	Standard rack mounting kits for head, compute nodes and storage, switches, monitor etc.	
Warranty and support	Three year next business day on-site comprehensive OEM warranty for all components viz. head node, compute nodes, switches, rack, monitor, etc. Complete HPC cluster on-site support for three years.	
Industry standard compliance and Safety Certification	compute nodes should have at least one of the following certifications - UL/cUL, UL, DEMK, CE, BSMI, CCC, GOST-R, S-Mark and CE, FCC. The head, compute nodes should comply with the latest RoHS directives.	
Scope of Work	<ol style="list-style-type: none"> 1. The system integrator shall install, integrate and configure all required hardware and operating system, HPC software including but not limited to management of HPC, racking and stacking, cluster networking, execution and submission of jobs, installation of compilers, configuration of environment variables etc. System integrator should supply all necessary equipment or software to ensure a ready to use/turnkey HPC solution. Academic version of intel compiler/software may be provided by NIPER. 2. System integrator shall provide necessary scripts for scheduling jobs, monitoring etc. 3. Training for cluster administration and user job scheduling on the cluster must be provided at NIPER by system integrator. Administrator and user manuals must be provided containing shutdown, startup procedures, connectivity diagram, hardware and HPC trouble shooting tips in addition to other details such as system, its setup etc. 4. Installation, configuration and integration shall be carried out in consultation with NIPER by the system integrator. 	

Optional:

Annual Maintenance Contract after expiry of warranty	Next business day on-site comprehensive maintenance for all components viz. head node, compute nodes and storage, switches, rack, monitor, cables etc. and complete HPC cluster support for next two years with four preventive maintenance visits in addition to unlimited breakdown calls are to be included. Cost of maintenance to be mentioned separately for 4 th and 5 th ye
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GUI (Web) Based Cluster Management Tool

- Should be compatible to work on RHEL 6.x / CentOS 6.x
- Should be able to provision above operating systems to compute nodes
- Should be able to auto-provision applications to compute nodes
- Should allow HPC management console to be accessible from any system in the network.
- Should support different role based access to the HPC system.
- Every role should be able to be remotely managed.
- Should provide profile-based and fully automated provisioning features.
- Should support Add/Modify/Delete compute nodes from GUI window.
- GUI (Web) based monitoring feature to be part of proposed solution.
- Should support major power management modules like bullpap, wti, apc_snmp, ether_wake, ipmilan, drac, ipmitool, ilo, rsa, lpar, bladecenter.
- Proposed cluster management tool to be fully supported by bidder/OEM
- Must support disk based and disk less cluster.

Workload Manager (with 3 year support):

- Work load management solution has to be proposed with the below features along with web based job submission, monitoring and management.
- Bidder should propose a Job Scheduler which is fully supported by them or respective ISV.
- open domain / Open source job schedulers like Open Grid Engine/Slurm etc. can be quoted but should be fully supported by the Bidder.
- If commercial scheduler is quoted, the same to be fully supported by respective ISV/Software OEM and a letter with respect to same to be provided.
- Scheduler proposed should be compatible with hardware and software infrastructure proposed and to be supported by bidder.
- Job monitoring and management
- Co-processor enabled scheduling
- Queue management
- Job monitoring, submission and management within portal
- Job submission plugins
- Should have web-based job submission for users
- Should have simple mechanism for adding/editing/deleting new/old applications.
- Role based login should be given (e.g. Administrator and user level)
- Proposed GUI Based job submission portal should be in production mode with at least 5 organizations in India of which 2 has to be Govt./research organization for scheduler being quoted above. At least 1 location from the same to be in production mode for last 3 years.
- Proposed Portal should be supported by the respective bidder along with ISV of the software if applicable for 5 years comprehensively

Application Integration & Application support SOW

- 1.)Gaussian software
- 2.)CPMD
- 3.)NAMD
- 4.) Jaguar (Schrodinger)
- 5.)Qsite
- 6.)Amber

Check application compatibility Matrix and installation of all above applications Install all above application in Cluster environment Configure Environment Variable & License manager Run/Queue the sample job on scheduler and get the desired results Provide support for all above mentioned application troubleshooting.

Terms and Conditions:

- ✓ The vendor should have installed at least 5 compute clusters in India in last three years. Details of these previous installations must be provided. In addition, vendor should provide a guarantee for clustering and also for application software integration.
- ✓ International OEM with 8 entries in the top500 (www.top500.org) list latest by July 2017 release should only quote. MAF should also be attached by the bidder.
- ✓ The proposed cluster solution must be delivered NIPER Chandigarh within eight weeks from the release of Purchase Order
- ✓ The cluster must be installed to the satisfaction of NIPER Chandigarh within two weeks from the date of delivery
- ✓ The Vendor should have been in existence for at least five years and should have well established service/support center in India with trained HPC manpower. SI should provide details on technical support infrastructure along with the names of 2 certified HPC engineers. The Vendor Should have implemented during last 2 years at least 2 HPC system of 192 Cores or more
- ✓ The vendor should give the power and cooling requirements for the cluster solution along with the proposal. Requirement for minimum cooling and power would be preferred
- ✓ Equivalent (or better) hardware/software can be allowed at the discretion of NIPER. However, in such cases, the vendor must provide sufficient justification for the deviation from the specifications given here.
- ✓ The bidder should have a support center for HPC in North with GST registration certificate in Punjab or NCR Region and the team structure with call logging details and escalation matrix has to be provided
- ✓ The bidder should have experience in installing/fine tuning our applications like Gaussian Sw, NAMD Sw, CPMD Sw, Jaguar Sw (Schrodinger), QsiteSw, Amber Sw.
- ✓ Should integrate the new system with existing HPC cluster and use the same management tool software in the whole cluster. Incase vendor is proposing new cluster tool and Portal ,
- ✓ Vendor has to integrate the entire cluster with the same management tool and take the support for entire cluster as part of their bid.
- ✓ Bidder should use the existing NIS/NFS OR file system to integrate new compute nodes.
- ✓ The bidder should submit the project schedule for the installation of the proposed cluster.
- ✓ HPC Cluster Management suite must have extensive cluster monitoring capability to drill down to a node-level performance parameters using intuitive GUI and with well-designed graphical reports.

Warranty period (minimum 3 years comprehensive on-site warranty on complete High performance Computing stack) should be mentioned.

The vendor is also required to maintain integration of licensed software (if any) with the cluster throughout the warranty period.

The quoted prices can be in INR or in valid foreign currencies (e.g. US Dollar). For INR quotations, delivery should preferably be up to NIPER. For foreign currency quotations rates must be for CIF New Delhi. GST and any other applicable charges should be mentioned.

Per Unit price of each Server type should be provided, quantity may increase or decrease at the discretion of NIPER.

Installation and maintenance charges should be mentioned if applicable.

The OEM should atleast 5 entries in the TOP500Supercomputer list (<http://www.top500.org>) continuously in all the lists of the years November 2015 and November 2016.

The OEM and bidder should have presence in the Top Supercomputers-India list (maintained by SERC, IISc, Bangalore <http://topsupercomputers-india.iisc.ernet.in>) continuously for last three years.

The OEM/bidder should have installed at least one supercomputer of 7 TFLOPS (Rpeak) capability (contribution from CPU- only nodes) in India. The same should have been successfully supported (post-installation) at least for a period of one year. Provide a certificate from the customer to this effect.

The OEM/bidder should have installed at least one supercomputer in India with Infiniband/ equivalent or better interconnect.

The bidder should have proven record of having demonstrated their competence and capability, to deliver all the services expected during the contract period.

OEM should have office in North region.

NOTICE INVITING e-TENDERS

1. The Bidders shall have to submit their Bids online in Electronic Format Digital Signatures. For participation in the e-tendering process, the Bidders need to register themselves at <http://tenderwizard.com/NIPER> and get user ID and password. Class 3 Digital Signature Certificate (DSC) is mandatory to participate in the e-tendering process. (Helpdesk No. for registration – 09257209340 & 08054628821).
2. E-Tender processing fee shall be payable to M/s ITI Limited through their e-gateway by credit/debit card, internet banking facility and non refundable.
3. No tender will be accepted in physical form and in case it has been submitted in Physical it shall be rejected without any communication to the sender.
4. Bids will be opened online as per time schedule mentioned in tender document.
5. The tenderer are requested to read the tender document carefully and ensure to compliance with all the instructions herein. Non –Compliance of the instructions contained in this document will disqualify the tenderer from the tendering exercise.
6. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been uploaded with the bid.
7. Director NIPER SAS Nagar will not be responsible for any delay in online submission of bids due to any reason whatsoever.
8. The tenderer shall be required to submit the Earnest Money Deposit (EMD) for an amount of Rs. **60,000/-** (Rupees Sixty Thousand only) which is refundable and a non-refundable tender fee for an amount of Rs.500/- (Rupees Five Hundred only) by way of demand drafts only. The demand drafts shall be drawn in favour of “Director NIPER” payable at Mohali / Chandigarh. The demand drafts for earnest money and tender fee should be send through registered post to “Director NIPER, Sector 67 SAS Nagar, Punjab” so as to reach NIPER before the date of opening of the technical bids. It is further required that the scanned copies of the Demand Drafts should be forwarded through e_tendering mode along with other relevant documents. In case of non receipt of tender fee and earnest money in physical form before the opening of tender, the tender will be straightway rejected.
9. The details of the tender fee and Earnest Money Deposit specified in the tender document should be same as uploaded scanned copies of the Demand drafts and send through registered post.
10. The Financial Bid through e –tendering of only those bidders shall be opened who will qualify in the technical bid and are approved by the technical Committee.
11. This Institute is registered with DSIR for duty free imports under duty exemption certificate. Preference shall be given to those tenderer who shall offer duty free prices for direct import.
12. Only manufacturers or their authorized distributors/agents are entitled to submit the proforma invoice/quotation. Manufacturers are requested to furnish themselves the proforma invoice where enquiries have been addressed to them. Foreign manufacturers may, however, direct their Indian Agent to quote on their behalf in which case the Indian Agent should attach with his quotation a copy of the letter from the foreign manufacturers directing the Indian Agents to quote on their behalf against this quotation enquiry (General authority letter will not suffice).
13. The quotation/proforma invoice for the imported items should be prepared as under :
 - i. Complete description, catalogue no., make, name of the manufacturer, model, quantity, rate of each item and total amount.
 - ii. Total FOB value of all items.
 - iii. Indian Agency Commission payable to the Indian agent, if any.
 - iv. Net FOB value (i.e., total FOB value as in (ii) above, less Indian Agency Commission as in (iii) above.
 - v. Add freight charges upto New Delhi (India)
 - vi. Insurance upto destination at NIPER, S.A.S. Nagar, Mohali (Payable on actual).

vii. Total CIF value (iv + v + vi)

Note: NIPER is an academic non-profit research Institution. You are, therefore, requested to offer maximum possible discount in the first instance.

- viii) Quorate may be evaluated on FOB value. The Institute may also go for domestic insurance from warehouse to warehouse. The complete description viz. make and model of the equipment and name of the manufacturer must be indicated clearly in the proforma invoice/quotation failing which the same shall be liable to rejection.
 - ix) The spare parts/wear & tear consumables, if any, required for trouble free operation of equipment for 3 years shall be quoted separately giving the full nomenclature, rate, quantity and shelf life of each item. The value of such spare parts/wear & tear, consumables may not exceed 2% of the FOB value. (The cost of such spare parts/wear & tear consumables will not be considered while evaluating the quotations).
 - x) In case no Indian Agency Commission is payable, then this fact must be very clearly mentioned in the quotation.
 - xi) The tenderer firm should furnish along with the bid a certificate that the entire Indian Agency Commission shall be payable in India in Indian Rupees and that no Indian Agency Commission other than that stipulated in the Proforma Invoice is payable by the foreign manufacturers to Indian Agent.
 - xii) The items which can/are to be procured indigenously may be listed separately.
5. The Tenderers must confirm in their bid acceptance in full of the terms and conditions in this enquiry. Tenderers must note carefully that any conditional offer or any deviation from the terms and conditions of this enquiry may render the quotation liable for rejection.
 6. The manufacturers must guarantee that the quoted item(s) is/are new and not the one used/sold earlier.
 7. **It is specifically required that the tenderer will supply all the operating and service manuals circuit diagrams alongwith the equipment.**
 8. In addition to quoting for the equipment, the tenderers are also requested to quote separately, the charges and terms and conditions of SERVICE CONTRACT FOR A PERIOD OF FIVE YEARS, for maintaining the equipment at this institute after the expiry of the period of guarantee/warranty. The terms and conditions of the Service Contract are given in **Annexure 'B'**. It may be noted that the service contract charges may also be considered along with the cost of equipment while evaluating the quotations. Price List of Spares parts must be quoted.
 9. **The equipment should be quoted only for 220 volts and 50Hz electricity supply.** The extra requirement of line voltage, current rating etc. and the optimum climate and environment required for the equipment must be stated precisely. Voltage stabilizers/isolation transformers/CVT/UPS etc., as may be required shall be listed separately. The full technical specifications and literature in respect of the voltage stabilizer etc., must be furnished.
 10. The successful firm or his Agent will be required to furnish a performance guarantee bond in the shape of Bank Guarantee for an amount equivalent to 10% of the FOB value of the equipment towards execution of supply order and ensuring timely supplies/satisfactory installation and handing over the equipment in good working conditions within stipulated period and for carrying out after sales services during warranty/guarantee period. The Bank guarantee will be submitted within a period of 15 days after the placement of the supply order failing which the order will be liable to be cancelled.
 11. The successful firm will be required to agree for payment of penalty for exceeding permissible downtime during guarantee/warranty period as defined in **Annexure 'A'**.

- a) In case total downtime exceeds the permissible limit, the guarantee/warranty shall be extended by the period in excess of the permissible downtime.

- b) In case total downtime exceeds the permissible limit then in that event a penalty in Indian Rupees at the rate of 1/365 percent of FOB value of the equipment shall be recovered for each day in excess of the permissible downtime. The conversion of FOB value into Indian Rupees for the above purpose shall be the TT selling rate prevalent on the date of the releasing of the LC documents by the bankers.
12. If during the guarantee/warranty period, the equipment does not perform as per claims, the supplier will be asked to replace the entire unit or part thereof failing which the supplier will have to bear the cost of liquidated damages.
13. The compliance sheet as per **Annexure 'C'** may be filled and submitted online along with necessary documents maximum upto 4 pages.
14. The Indian agents are allowed to quote for only one manufacturer in a parallel/subsequent tenders for the same item.
15. **ELIGIBILITY CONDITIONS:** The firm should have experience of performing job contract of similar nature in reputed Govt. / Semi Govt. / Govt. undertaking / University establishment and other government / private establishments. The firm must have Service Tax Registration (if applicable), Registration of Declaration of ownership under Indian Registration Act, 1908 (or any other Act, as applicable), PAN / TIN and a valid Labour License as on the date of submission of tenders. The firm should have technical competence, financial resources, reputation and the personnel, to perform this contract.
16. The tenderer is being permitted to tender in consideration of the stipulation on his / her part that after submitting his / her tender, he / she will not refuse his / her offer or modify the terms and conditions thereof. Should the tenderer fail to observe and comply with the foregoing stipulations, the earnest money will be forfeited by the Institute. In the event of the offer made by the tenderer not being accepted, the amount of earnest money deposited by the tenderer will be refunded to him / her, in the manner prescribed by the Institute.
17. In case of partnership firms, where no authority has been given to any partner to execute the contract / agreement concerning the business of the partnership, the tenders and all other related documents must be signed by each partner of the firm. A person signing the tender form or any other documents forming part of the contract on behalf of another shall be deemed to warranty that he has the authority to bind such other & if, on enquiry, it appears that the persons so signing had no authority to do so, the Institute shall without prejudice to other civil and criminal remedies cancel the contract and hold the signatory liable for all costs and damages. Each page of the tender and the schedules to the tender and annexure, if any, should be signed by the tenderer.
18. GST or any other tax applicable or made applicable after awarding the contract in respect of this contract shall be payable by contractor and NIPER, Mohali will not entertain any claim whatsoever in this respect. However the TDS or any other tax which is as per the rules of the Govt., shall be deducted at source from the bills of the successful tenderer, as per rules / instructions made applicable from time to time by the government
27. The Director, NIPER reserves the right to reduce or increase the quantum of supplies or place repeat orders within a period of one year of date of order (on same rates and terms & conditions) or may also terminate the contract in the interest of the Institute, for any justifiable reasons, not mandatory to be communicated to the tenderer. His decision shall be final & binding on all parties for any aspect of contract. Any dispute arising on the contract will be settled at his level by mutual consultation and in

case of failure of settlement; the dispute shall be referred to the sole arbitrator to be appointed by him. The decision of the sole Arbitrator so appointed shall be final and binding on both parties. Arbitration proceedings shall be governed by the Arbitration & Conciliation Act, 96.

28. Acceptance by the Institute will be communicated by e-mail, FAX, Express letter or any other form of communication. Formal letter of acceptance and work order of the Tenders will be forwarded as soon as possible, but the earlier instructions in the FAX / e-mail / Express letter, etc. should be acted upon immediately. The quotation shall remain valid for a period of 120 days from the closing date of receipt of bids. The Contractor shall not sub-let the contract.
29. The tenderer will also have to furnish particulars relating to Income Tax clearance certificates, turnover, infrastructure status, etc.
30. In case of any loss or damage done to the property / existing infrastructure of the Institute attributable to the personnel of the contractor, the full damages will be recovered from the Agency / Contractor and decision of the Competent Authority of institute in this regard will be final and binding on the contractor.
31. Any information furnished by the bidder found incorrect at any later stage, shall make the agency liable to be debarred from future tendering / taking up the works in NIPER. The department reserves the right to verify the particulars furnished by the bidders independently.
32. In case the bidder(s) is/are of the opinion that the specification of the equipment are not generalized and favors a particular make or brand then it should intimate this Institute with relevant supporting documents.

Annexure A

CERTIFICATE OF GUARANTEE/WARRANTY

(This certificate may be reproduced)

- i) I/We certify that the guarantee/warranty shall be for a period of 12 months starting from the date of satisfactory installation, commissioning and handing over of the equipment and of works conducted therewith covered under the Supply order in working Condition. During the guarantee/warranty period I/We shall provide “after sale service” and the replacement of any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above guarantee/ warranty shall begin only from the date of installation, commissioning and handing over the equipment in working order. The benefit of change in dates of the guarantee/warranty period shall be in the interest of the user/your Institute.
- ii) During the warranty period, we shall provide at least three preventive maintenance visits & all breakdown services without any charges.
- iii) Uptime Guarantee : During the guarantee/warranty period, we will be responsible to maintain the equipment in good working condition for a period of 328 days (i.e., 90% uptime) in a block of 365 days. All the complaints will be attended by us within 5 days of receipt of the complaint in our office. In case there is delay of more than 5 days in attending to a complaint from our side then you can count the number of days in excess of the permissible response time in the downtime.

- iv) We certify that the equipment being offered/quoted is the latest model and that spares for the equipment will be available for a period of at least 10 years and we also guarantee that we will keep the Institute informed of any up-date of the equipment over a period of 5 years.
- v) We guarantee that we will supply spare parts if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price or an agreed percentage of profit on the landed cost.
- vi) We guarantee to the effect that before going out of production of spare parts, we will give adequate advance notice to you so that you may undertake to procure the balance of the life time requirements of spare parts.
- vii) We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components.

Date :

**Authorised
Signatory
(With Seal)**

Place :

TERMS AND CONDITIONS OF THE SERVICE CONTRACT

- i) During the service contract period, the firm shall provide at least THREE preventive maintenance visits and attend to all emergent and break-down calls per year.
- ii) Rate of AMC will be quoted for the period after completion of warranty period and order for AMC be placed after completion of warranty (if required)
- iii) The service contract charges must be quoted separately for each year strictly.
- iv) The service contract charges should be quoted only for services and travel cost etc. and should not include the cost of any replacement parts/components which shall be arranged by the Institute at its own cost. However, a price list of all spares must be provided to the Institute.
- v) The removed/un serviced spare parts shall be the property of NIPER , Mohali and shall be handed over to Indenter by the service provider alongwith service report.
- vi) In each block of 365 days during the entire service contract period the firm will be responsible to maintain the equipment in good working condition for a period of 328 days (i.e. 90% uptime). The time taken by the Institute in providing to the firm the spare parts shall not count towards the downtime. All the complaints will be attended by the firm within 5 days of the dispatch of the complaint to their office. In case there is delay of more than 5 days in attending to a complaint then the number of days in excess of the permissible response time shall be counted in the downtime. The above said response time of 5 days for attending to a complaint will not be counted in the downtime. In case total downtime exceeds the permissible limit as defined above, the service contract shall be extended by the period in excess of the permissible downtime subject to limit of 30 days in a block of 365 days. However, for the period of the downtime in excess of 30 days in block of 365 days, a fine equivalent of double the daily service contract charges shall be recovered from the firm.
- vii) The replaced parts shall remain the property of the Institute.
- viii) The firm will deposit a security in form of Bank Guarantee equivalent to 50% of the additional value of the Annual service contract towards execution of the service contract and to cover the service contract period of five years. This will be furnished within a period of 15 days after the expiry of the guarantee/warranty period. No Advance payment of AMC shall be made under normal circumstances.
- ix) The firm shall try to repair the equipment at Institute itself. However, the equipment may be taken to their site, on their own expenses if in case it is not possible to repair the same at NIPER, the firm shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till this is handed over to purchaser after repair. Any loss of equipment or its accessories on account of theft, fire or any such reasons shall be the sole risk and responsibility of the firm who will compensate the Institute for such losses at FOB value of the damaged/lost equipment/part including accessories.
- x) During the service contract period the parts/components that may be needing replacement shall be made available by the Institute at their own expenses and all import formalities, payment of custom duty etc., shall be complied with/borne by the Institute.

- xi) All service contract charges will be invoiced thrice in each year. The payment of the invoice will be made in arrears after satisfactory servicing within 30 days of the date of submission of the invoice.
- xii) No price revision will be accepted by the Institute during the entire tenure of the service contract agreement.

MANDATE FORM FOR PAYMENT

Sr.No.	Supplier Details	
1	Vendor Name	
2	Father/ Husband Name	
3	DOB	
4	PAN Number	
5	Aadhaar Number	
6	TIN Number	
7	Service Tax No.	
9	Address1	
10	City	
11	Country	
12	State	
13	District	
14	Pin code	
15	Mobile No.	
16	Phone	
17	Email	
18	Bank Name	
19	IFSC Code	
20	Account Number	
21	Others	

bII

Bidder(s)/Authorized Signatory (ies)