



**INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY**

**(An Autonomous Institute under Department of Science and Technology, Govt. of India)  
Paschim Boragaon, Vigyan Path, Garchuk, Guwahati-781035**

**Notice Inviting Quotation for Rack Servers with virtualization**

**Advt. No: 202(NIQ)**

**Date: 03/07/2019**

Sealed quotations are invited in two bid system from reputed Manufacturer/authorized distributors/dealers for supply, installation of Rack Servers and renewal of OmicsBox (Balst2Go) software required for 3 seats for a period of 3 years at Institute of Advanced Study In Science and Technology (IASST). Bid document with other terms & conditions can be submitted with bid fee as per following.

**Important Dates**

<b>Bid fee-DD (non - refundable)</b>	<b>Start Date and Time for submission of bids</b>	<b>Last Date and Time for submission of bids</b>	<b>Venue for submission &amp; Opening of Technical Bids</b>
<b>Rs.1000/-</b>	<b>06/07/2019 at 10AM</b>	<b>26/07/2019 till 5 P.M</b>	<b>Office Of the Registrar, IASST, Guwahati – 781035 29/07/2019 at 11.30A.M</b>

This NIQ has been published on CPPP also.  
There will not be any separate notice for participation of bidder in the bid opening time.

Registrar, IASST



## 1. Introduction

For a DBT sponsored project and for analysis of Data, IASST invites bids from reputed Manufacturer/authorized distributors/dealers for the supply, installation and commissioning of Rack Servers and renewal of OmicsBox (Balst2Go) software.

Bidders are advised to study this tender document carefully before submitting their proposals in response to this Notice. Submission of proposal in response to this notice shall be deemed to have been done after careful study and examination of this document with full understanding of its terms, conditions and implications.

## Scope of Work

- a) The bidder is required to supply, install one number of rack server to Institute of Advanced Study in Science and Technology, Guwahati as per the specifications and conditions specified in the different parts of this Tender document.
- b) Installation & configuration of the server with Centos OS and also creation of RAID as required.
- c) Renewal and installation of licenses for software OmicsBox (Balst2Go ) for a period of three years.
- d) The entire Installation, commissioning and hands on Training to the officials of IASST must be carried out by OEM certified partner or OEM certified engineers (documentary proof need to be given on the time of installation).
- e) The successful bidder shall carry out the work strictly as per specifications mentioned in various sections of this tender document to the satisfaction of the indenting department.
- f) Workmanship and material used should be of the best quality.
- g) All software licenses for servers, must be perpetual in nature. All necessary software & firmware upgrade must be intimated in time and provided free of cost during the entire warranty / AMC period.

## 2. Notice Inviting Quotation

The below mentioned Specification tables should be uploaded with filled in compliance column as part of the technical proposal by the bidders.

The bidder and OEM will be responsible for offered system should be the latest model of the vendor being supplied worldwide. If IASST find that the offered model is EOL or EOS or both then IASST authority has the right to disqualify the bidder.

### OEM Criteria :

1. OEM(s) must have sales and support office in India.
2. The Server OEM(s) must have spare depot in India for the items mentioned in this tender (details of spare locations to be provided).
3. The Server OEM should have local Service Center in Eastern Part of India.
4. The specified unit shall be based upon standard components and proven technology and adopt to industry established standards.
5. Firmware/software upgrades are to be provided by the OEM free of cost during the warranty and AMC Period. Undertaking from OEMs to be provided on their Letter head.
6. All the server and its components shall be latest but field-proven and shall not be End-of-Life/Outdated; the same shall have to be supported by concerned OEM for at-least 5 years' period from the date of installation .
7. The server shall have 5 Years OEM warranty (NBD).

8. OEM of server should provide a letter, on Equipment support and availability of spares and Certificate on Non-End of Life for 3 years and Non-End of Support for a period of 5 years.

**Eligibility Criteria of bidder(s):**

1. The Bidder should be a Manufacturer/authorized distributors/dealers of the respective product solution OEM (Manufacturer Authorization Form).
2. The bidder shall furnish a non – blacklisting certificate that the firm has not been blacklisted in the past by any government/Private institution. The bidder/supplier has to give an affidavit on non – judicial stamp paper of Rs.50/- that there is no vigilance/CBI case pending against the firm/supplier and the firm has not been blacklisted in the past by any Govt. or Private Organization.
3. If the bidder is an ISO certified Company, then documentary proof should be enclosed.
4. Penalty for delay in resolution - If selected bidder/OEM does not resolve any technical issues within the time frame from the response time, a penalty of 0.5% of total cost per day (maximum 7 days) will be charged and deducted from the amount payable to bidder. For delay beyond the stipulated period, entire PBG will be forfeited.
5. Delivery should be made by successful bidder as FOR IASST Guwahati.

**Warranty and Support**

1. The server must have 5 years comprehensive onsite OEM warranty.
2. All items quoted for rack server must not have been declared as End-of-Support by the OEM anytime within the next five years.
3. For OmicsBox (Balst2Go ) subscription license for a period of three years which include free upgradation and support also during the period.
4. Both the bidder and the OEM will be responsible for providing support to the system during the warranty period. IASST, Guwahati must be able to contact both the bidder and the OEM for service during the entire warranty period. However, it should be clearly stated who will provide first level support.
5. The bidder must provide a write up on its service and maintenance capability, and the escalation support matrix suggested for the Institute.
6. The OEM must provide details of support structure and escalation matrix.
7. This is a critical infrastructure for the institute, so institute reserves the right to reject any bid if the support infrastructure is not deemed to be adequate by the technical evaluation committee.

**Sequence of the documents need to be submit with the bid documents:**

1. Balance sheet with auditor’s report for last three years.
2. Latest Income Tax Clearance Certificates.
3. Copy of Certificate of Registration under GST.
4. Copy of PAN Card.
5. Certificate of authorization from OEM.
6. Sole Proprietary/sole manufacturer certificate for proprietary item.
7. OEM authorization specific to this tender.
8. Technical compliance duly approved by the OEM, failing which the Bid offer will be rejected. Stating the deviation, if any, with reference to the terms and specifications of the equipment/ its accessories. (Annexure – III)
9. List of similar equipment supplied by the firm with addresses and phone numbers of customers with satisfactory completion certificate/ working certificates. Annexure – (V)

10. Name and address of registered office, Head Office and Regional Office of the company with name and phone numbers of key persons.
11. Self-declaration at Annexure –I (in non-judicial stamp paper of Rs.50/-)
12. Format of Manufacturer/Supplier/Distributor information at Annexure –II.
13. Acceptance of all clauses of bids specification duly signed page wise.
14. Documentary proof related to OEM and Bidder eligibility criteria.
15. With all other documents as requested in different part of the tender document.

(if bidder fails to submit any documents mentioned above; bidder will be disqualified from the tender process automatically).

**The committee of experts and the user scientists will have the right to recommend /reject purchase of tendered item.**

**3. Technical Specifications (Annexure III)**

**Item1:-Specification of Server for Protected Site: Qty-1**

Items	Description
<b>Make &amp; Model</b>	
Processors	2 x Intel® Xeon® Gold 6142 2.6G,16C/32T,10.4GT/s 2UPI,22M Cache,Turbo,HT (150W) DDR4-2666
Chipset	Latest Intel Chipset supporting the above processor
Memory	RAM (min/max): 256 GB DDR4 and upgradable to 3072 GB
DIMM Slots	24 DDR4 DIMM slots supporting speeds up to 2666MT/s
Hard Disk Drives	5 x 2.4TB 10K RPM SAS HDD or higher capacity with at least 10k RPM 12Gbps 2.5in Hot-plug Drive
HDD bays	HDD bays supporting SAS, SATA, SSD drives (Minimum HDD Support at least 16 drives )
I/O slots	at least 7x PCIe Gen3.0 slots
RAID levels	Integrated RAID Controller, at least 2 GB Cache, Support for RAID 0,1 , 5
DVD writer	DVD RW
Network Interface	4 x 1G RJ45+ 2x 10G BaseT
Graphics controller	Integrated Graphics with at least 16MB Video Memory
	Video Memory support for 1280 x 1024 (32 bpp) & 1920 x 1200 (16 bpp)
Server Management.	OEM software for management of Servers must be included
	It should integrate with any SNMP based industry standard Network Management Software. (The SNMP MIBs for the hardware and software components shall be provided).

	Should provide Fault management and automatic event handling through e-mail. SNMP alerts and monitoring should be supported and enabled on all of the server types to be supplied. If separate licenses required need to be quoted separately.
	Should provide Pre-failure warning for :- <ul style="list-style-type: none"> <li>• CPU</li> <li>• Memory</li> <li>• HDD</li> </ul>
	Local LED/LCD based diagnostic panel for easy fault identification.
Remote Management	It shall be possible to manage the server hardware and software components remotely and should support browser based graphical remote console.
	It shall be possible to power on/off , boot the system and upgrade of software and patches using USB/CD/DVD Drive remotely; management log
	Browser and CLI support should be there, should not have any limitation to specific browser.
Server Security	Should support <ul style="list-style-type: none"> <li>• Should have a cyber resilient architecture for a hardened server design for protection, detection &amp; recovery from cyber attacks</li> <li>• Should protect against firmware which executes before the OS boots</li> <li>• Silicon Root of Trust</li> <li>• Secure Boot</li> <li>• Firmware drift/threat detection</li> <li>• Encryption of data in internal storage and cash</li> </ul>
Ports	Min 3 USB ports and adequate number of video and serial ports
Power supplies	Redundant Power Supply to sustain above configuration. Power Supply with 80+ Gold certified for better utilization.
Cooling	Hot plug and redundant fans (non cabled)
Industry standard support	User-selectable power cap (subsystems throttle to maintain the specified power cap), ACPI 3.0 Compliant, PCI 2.3 compliant, PXE and WOL Support, IPv4 and IPv6 support
Environmental	Server should be capable of operation in a temperature range of 10 to 45 Deg Centigrade.
The quoted server models should have the following Certifications :	
Operating Systems supported	Microsoft Windows Server, Novell SUSE Linux Enterprise Server, Red Hat Enterprise Linux, , VMware, FCC, UL, ROHS, Solaris 10
Industry standard certifications	The server OEM must be ISO-14001
	Server OEM should have been one of the top five server vendors by market share revenue in IDC latest report.

Form factor	1U/2U Rack form factor with sliding rails and mounting kit to fit into industry standard 19" Server Rack
Warranty	5 years onsite warranty by OEM with NBD Part Replacement.
Support Center	The Server OEM should have local Service Center in Eastern Part of India

**Item 2:- OmicsBox (Balst2Go )**

Renewal of OmicsBox (Balst2Go ) software ( for a period of three years)required for 3 seats( It means in 6 computers and use it on 3 PCs at the same time) for the analysis of Genomic,Transcriptomic data analysis and functional annotation.

Overview of OmicsBox:

OmicsBox is developed and maintained by BioBam Bioinformatics. BioBam is a bioinformatics solution provider based in Valencia, Spain. BioBam’s solutions accelerate research in disciplines such as agricultural genomics, microbiology and environmental NGS studies; amongst others.

Features/Modules:

- Genome Analysis: Quality Control, De-Novo Assembly, Repeat Masking, Gene Finding, Genome Browser
- Functional Analysis: High-Throughput Blast and InterProScan, Gene Ontology, Mapping, Blast2GO Annotation, Enrichment Analysis, Functional Interpretation
- Transcriptomics: De-Novo Assembly, RNA-Seq Alignment, Quantify Expression, Diferencial Expression Analysis, Enrichment Analysis
- Metagenomics: Quality Control, Taxonomic Classifcation, Metagenomic Assembly, Gene Prediction, Functional Interpretation

**Note: Price bid of the both items can be submitted separately, in the cover of the envelope of the price bid bidder need to mention the item details/number.**

**Installation:**

- The entire system shall be installed by OEM authorized partner or OEM certified engineer as per manufacturer’s recommendations & instructions.
- Services of authorized representative of Bidder or manufacturer for supervision of installation, connections, testing, & adjustments shall be provided.

**Testing & Commissioning:**

- Under supervision of manufacturer’s representative entire system functions, operations, protective features shall be checked & pre-set to ensure compliance or specifications.
- Test the system as per recommendations & test report need to be submit.
- In case of test any shortfalls / faults, the same shall be rectified & test procedure shall be again repeated to establish satisfactory performance.

**Drawings & Manuals:**

If Required, Following drawings & manuals / information shall be submitted in at least THREE copies at appropriate stages & for handing over the system.

- Manufacturer's data for product, features, components & performance along with the offer.
- Operation & maintenance manual with list of recommended spares & replacement components.
- Detail operating instructions covering operations in normal & abnormal conditions.
- Details report about management IPs and configuration details.

**Conditions forming part of NIQ**

- Price of the equipment to be quoted for FOR, IASST only.
- The two bid systems should be followed for this NIT. Under this system the bidder must submit their offer in two separate sealed envelopes marked clearly as Technical Bid and Commercial Bid on cover page of the envelop for each item quoted. All the sealed envelope should be placed in a larger envelop. The main envelope which will contain both the bids should be super scribed with NIQ enquiry no. and name of the equipment quoted for.
- The bidder shall be required to deposit **Rs.25,000/as EMD for item number 1 (server)** with the Technical Bid, through Bank Draft/ Fixed Deposit Receipt/Bank Guarantee drawn in favour of **'The Director, IASST'** payable at Guwahati. All quotation uploaded without requisite amount of earnest money shall be rejected and their financial bid shall not be opened. The EMD to the unsuccessful bidders will be returned within one month from the date of placing of final order(s). In case of bidder(s) whose offer is accepted, the EMD will be returned on submission of Performance Bank Guarantee. The IASST shall forfeit EMD, if the successful bidder fails to furnish the required Bank Guarantee in time. However, no interest/penalty shall be payable to bidders if the return of EMD is delayed for any reason. Companies registered under MSME are exempted from submission of EMD subject to submission of valid Registration Certificate as applicable.
- The Price Bids of only technically qualified bidders will be considered for further processing.
- The Successful bidder will have to submit Performance Bank Guarantee (PBG) equivalent to **Rs.50,000 for rack server** in favour of **the Director, IASST payable at Guwahati** within ten (10) days from the date of award of the contract. The submitted PBG should be valid for five years period.
- The Technical Bids will be opened in presence of the bidders on the specified time and date. The bidder/their authorized agents who have responded to the quotation will be allowed to be present in the opening. The bidders are requested not to insert their quoted price in Technical Bid which will lead the quotation for summarily rejection.



- The Technical Bids will be evaluated to shortlist the eligible bidders. The Price Bids of only the short listed bidders shall be considered for further processing. Bidders whose Technical Bid is found acceptable and meets the eligibility requirements as specified in this NIT will be informed about the date and time of the opening of Price Bid.
- Bids would be rejected for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question.
- The bids received after the deadline for submission of bids prescribed by the IASST will be rejected and such bids shall be marked as late and not considered for further evaluation
- The IASST may, at its discretion, extend the deadline for submission of bids by amending the bid documents in accordance with clause relating to Amendment of Bidding documents in which case all rights and obligations of the IASST and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended. All the amendment will update through CPPP portal and institute website only.
- The original and all copies of the bid shall be typed and shall be signed by the bidder or a person or persons duly authorised to bind the bidder to the Contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid. Further, over-writings on documents, if any should be supported by signatures.
- Issuance of bid documents should not automatically be construed that the bidder is considered qualified.
- The bidders may submit their duly sealed Bid by post or by hand at the address specified in the NIQ not later than the time and date specified therein.
- The bidder should submit soft copies of both the bids in soft copy format through CD. The format of soft copies should be in .pdf format.
- IASST shall not be responsible for any delay, loss or non-receipt of bid documents sent by post.
- The IASST Authority has the right to reject any bids on technical grounds without assigning any reason thereof.
- Prices shall be quoted in Indian Rupees for offers received for supply within India and in their currency as per the Financial Bid format in case of offers received for supply from foreign countries.
- The IASST may open a letter of Credit or Wire Transfer in cases where it so decides. Any variation in price from the importer and manufacturer be communicated well in advance.
- The imported equipment should be quoted by the authorized supplier/dealer. In this case, commitment of after sales service with the period applicable should be clearly mentioned.
- Compliance sheet should indicate in details of meeting up of specifications required. The bidder can mention the additional features that exist in quoted products, if any, separately.
- Payment shall be made after delivery, successful installation, commissioning, and submission of Bank Guarantee and on submission of installation and warranty certificate duly signed and stamped by the authorized representative of the user department. **No advance payment will be made in case of equipment supplied by indigenous supplier.** In case of imported equipment 100% payment will be made through letter of credit for equipment costing USD 20000.00(or equivalent foreign currency) or more with payment terms 80% after shipment and balance 20% after satisfactory installation and commissioning along with submission of Performance Bank Guarantee. For equipment costing below USD 20000.00 (or equivalent foreign currency) payment will be made after installation through Foreign Demand Draft or through wire transfer.





- All taxes, if applicable, should be quoted separately, otherwise it would be presumed that the quoted prices are inclusive of taxes.
- Prices quoted should be FOR, IASST, Guwahati inclusive of all charges required to make the equipment functional to the satisfaction of the Institute.
- In case price for imported goods are quoted in FOR, the IASST will provide customs duty exemption certificate, if the import is made in the name of IASST and the supplier should submit original Bill of Entry in the name of the Registrar, IASST.
- Delivery should be within specified days mentioned in Purchase Order. If the equipment/instruments are not delivered within the stipulated time, the supplier shall be liable to pay a penalty of 1% of the total order value for each delay of 10 days or part thereof, and the amount will be deducted from bill value.
- The suppliers will undertake warranty of equipment/instruments from the date of installation and shall have to mention the period of warranty in both the bids clearly.
- The quotations must be valid for a minimum period of 90 days (three months) from the date of opening of the financial bids. No change in prices and change in terms and conditions will be permitted.
- The supplier further warrants that the goods shall be free from defects arising from any act or omission of the supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
- The bidder should indicate clearly in their technical bid about the pre-installation requirements. Subsequently, before the consignment lands in IASST, the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipment.
- Free training shall be imparted to faculty/technical staff for operation, maintenance and troubleshooting at the user/IT department of IASST.
- The equipment should be supplied with manuals containing technical drawings, complete in all respects, so as to operate the system without having any problem.
- The bidder may submit the proprietary certificate for the item(s), if applicable.
- In a bid, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same bid.
- If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same bid process.
- IASST reserves the right to purchase varying quantity of material, less or more.
- In the process of evaluation, comparison of bids, IASST reserves the right to reject any or all bids.
- The bidder should make arrangement of insurance of the equipment against all risks of loss or damage from the date of shipment till such time it is delivered at IASST site in case of Rupee/Foreign currency terms.
- The successful bidder should transport their products through the Institute's empaneled Carrying and Forwarding Agent from CIF/CIP destination.
- The Director, IASST shall be the final Authority for settlement of any dispute and his interpretation of any Clause/term/condition(s) of this document shall be final.
- If any dispute arises out of or in connection with the contract, or in respect of any defined legal relationship associated therewith or derived there from, will be settled under the jurisdiction of Court of Law of Guwahati.
- The Institute is not bound to accept the lowest bidder.
- Purchase terms and condition as per General Financial Rule (GFR) will be applicable for all the purchases to be made.



Authorized Signature of the firm

Name:

Date :

Signature



**ANNEXURE-I**

**Self-Declaration to be given by the bidder**

NIQ Reference

No. & Date:

Bidder's Name

& Address:

Person to be

contacted:

Designation:

Telephone No:

Fax No:

Email:

The Registrar,  
Institute of Advanced Study in Science and Technology  
(IASST), Vigyan Path, Paschim Boragaon, Guwahati –  
781035.

We, the undersigned Bidder, having carefully read and examined in detail the Terms and Conditions, specifications and all bidding document in regard to the supply of equipment/instruments at Institute of Advanced Study in Science and Technology (IASST) and accept the same.

**We also hereby declare that**

- We have not been blacklisted/debarred by any Government/Undertaking.
- The rates quoted are not higher than the rates quoted for same item to any Government/Undertaking.
- The bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

For and on behalf of the firm

(Firms Name & Address)

(Signature of Authorized Signatory)

Date: -----

Place: -----

Name:

Designation:

Phone No:

Seal:



**ANNEXURE – II FORMAT FOR OTHER INFORMATION**

(To be filled in by the bidder) Cost of Bid: Rs.

1000/- -----

Cash receipt/Bank Draft No: -----

Date: -----

- Name of the firm: -----
- Address: -----
- Telephone/Mobile No: -----
- Fax Number: -----
- Email: -----
- TIN/VAT/CST No: -----
- Firm Registration No: -----  
(If any)
- PAN: -----  
(Attach photocopy)
- **Details of Earnest Money (Bids Security)--**
  - a) Bank Draft/Pay Order No.
  - b) Date.
  - c) For Rs.
  - d) Drawn On.

Place -----

(Signature of the authorized person)

Date -----

Name of the Contact person

Name of the Firm Contact No.

Seal



### Annexure – V: Experience statement

Experience in the relevant areas with the clients (Attach separate statement)

Sl. No.	Name of the Customer Organization	Year of Implementation	Scope of Work	Value of the work (In INR Lakhs)	Present status of the project



**ANNEXURE-VI CONTACT FORM**

**(To be filled by the successful bidder only)**

**THIS AGREEMENT** is made on the ----- day of -----,20----- between the Registrar, Institute of Advanced Study in Science and Technology (IASST), Vigyan Path, Paschim Boragaon, Guwahati – 781035 (hereinafter called “the Purchaser”) of the one part and -----(Name of Supplier) of ----- (city and country of Supplier) (hereinafter called “the Supplier”) of the other part:

**WHEREAS** the Purchaser is desirous that certain equipment/instrument and after sales services viz, -----

----- (Brief Description of equipment/instrument and after sales services) and has accepted a bid by the

Supplier for the supply of those equipment/instrument and after sales services for the sum of

----- (Contract Price in Words and Figures) (hereinafter called ‘the Contract Price”).

**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. In consideration of the payments to be made by the IASST to the supplier as hereinafter mentioned, the Supplier hereby covenants with the IASST to provide the equipment/instrument and after sales services and to remedy defects therein in conformity with the provisions of the Contract in all respects.
3. The IASST hereby covenants to pay the Supplier in consideration of the supply of the equipment/instrument and after sales services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the equipment and after sales services which shall be supplied/ provided by the Supplier are as under:

SL.N O	BRIEF DESCRIPTION OF EQUIPMENT/INSTRUMENT AND AFTER SALES SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	TOTAL PRICE	DELIVERY TREMS

**##### END #####**