

Department of Physics

Visva-Bharati, Santiniketan 731235

Tender Notice VB-Physics-CMS-Tier3

Sealed tenders are invited from reputed Original Equipment Manufacturers / authorised dealers for quality procurement of - computing nodes, data storage, rack, networking components, UPS, etc. for establishing a high performance computing cluster. See visva-bharati.ac.in for details. Interested parties are requested to send their quotations under two bid system by **February 14, 2012**.

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Annexure – A: General Terms and Conditions

1. The bidders are requested to go through the scopes of supply – Annexure B and the terms and conditions carefully before submitting the tender.
2. Original equipment manufacturers/authorised dealers/agents may bid. The company/maker has to submit the registration certificate and authorised dealers/agents have to submit dealership certificate.
3. The bidder must have PAN/TAN, VAT/TIN, P. Tax, Trade License and should submit copies/latest clearance certificates.
4. The bidder must have a good reputation and credential for supply similar items to Government Departments/ Organizations/ Autonomous bodies should submit copies of such orders/contracts.
5. A non-refundable tender fee of Rs. 1000 in the form of Demand Draft drawn in favour of the Accounts Officer, Visva-Bharati, payable at SBI, Santiniketan Branch has to be submitted with the tender documents.
6. Earnest Money Deposit (EMD) of Rs. 25,000 in the form of Demand Draft drawn in favour of the Accounts Officer, Visva-Bharati, payable at SBI, Santiniketan Branch has to be enclosed. The EMD will be refunded for the unsuccessful bidders.
7. The successful bidder will have to submit a performance of 5% of the order value either in the form of bank guaranty or in the form of Demand Draft drawn in favour of the Accounts Officer, Visva-Bharati, payable at SBI, Santiniketan Branch. The performance security will not accrue any interest and will be refundable on successful completion of work or expiry of guaranty/warranty period, whichever is later.
8. The bidder must have credential for annual turnover of not less than Rs. 50 lakhs in the three consecutive years 2008-09, 2009-10, 2010-11 and submit documentary proof for the same.

9. The bidder must have the credential of one single work order of not less than Rs. 30 lakhs or two single orders of not less than Rs. 15 lakhs each in last three years.
10. The original tender documents should be typed/printed and duly signed by the bidder or an authorized person. The person(s) authorized to sign should affix signature(s) on all pages with official seal. Any corrections should be authenticated by bidder/authorized person - otherwise the bid will be liable to be cancelled.
11. The bid should be in two parts - Technical Bid and Financial Bid.
12. The technical bid should clearly mention all the technical aspects of the goods – brand, model name/number, specifications, name of the manufacturer, warranty period, etc. in detail. Vague/illegible/inadequate offers are liable to be cancelled.
13. Visva-Bharati/P.I. of the Project reserves the right to issue any amendment to this tender at any time prior to but before 5 days of submission of tender and such change(s)/amendment(s) will form integral part of the tender.
14. Any effort to influence the bidding process will lead to cancellation of the bid.
15. The bidder has to submit a declaration in the format given in Annexure - 'D'.
16. All prices should be inclusive of all charges – delivery and installation at the Department of Physics, Visva-Bharati on unit basis as per the scope of supply in Annexure 'B'.
17. There will be no price variation unless any change in rate(s) of statutory payment(s) to the Government. The quoted price(s) will be valid for at least six months from the date of offer.
18. The evaluation of the bids will be based on the lowest price (including extended warranty/ rate of AMC).
19. However, the PI of the Project reserves the right to partially/fully reject any quotation without assigning any reason whatsoever.
20. The bidder will be responsible for after sales service and supply of spares for the equipment supplied.

21. The bidder should deliver the goods within 30 days from the date of issuing of the work order, failure of which will attract deduction of 1% of the value of the work order per week and maximum of 10% of the same as liquidated damage.
22. AMC of the goods will be as per usual procedure on expiry of the guaranty/ warranty period and will be based upon the rates mentioned in the offer document and will be binding on the vendor.
23. Visva-Bharati/ P.I. of the project reserves the right to fully or partially cancel the bidding process at any point of time prior to award of the contract without informing the bidders or assigning any reason and without incurring any liability of the affected bidders.
24. The payment for supply will be made as per normal procedure of Visva-Bharati. In no case advance payment will be made.
25. The tender document should contain two envelopes superscribing "Technical Bid for High Performance Computing Cluster", and "Financial Bid for High Performance Computing Cluster" respectively. These envelopes alongwith other documents should be submitted in a single envelop superscribed '**Bid for High Performance Computing Cluster, Tender Notice VB-Physics-CMS-Tier3**' and must reach the following within **February 14, 2012**.

Dr. M. Maity, P.I. - DST Project "SR/MF/PS-03/2009-VB-I", Department of Physics, Visva-Bharati, Santiniketan 731 235.
26. The Financial Bids of the qualified Technical Bids only will be considered.

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Declaration of the bidder

I/We hereby tender for supply of equipment for '**High Performance Computing Cluster**' as specified in the memorandum given below, at the rate offered by me, in the tender schedule in accordance with the Tender Terms and Conditions annexed hereto.

- i. General Terms and Conditions – Annexure 'A'
- ii. List of Items to be supplied – Annexure 'B'
- iii. Format for Technical Bid – Annexure 'C'
- iv. Format for Financial Bid – Annexure 'D'

Should this tender be accepted, I/we hereby agree to abide by and fulfil all the Terms and Conditions of the tender, supply all items for which enlistment will be made as per the specifications indicated in the list or in the default thereof to forfeit and pay to the university or its authorized body such sums of money as said in the contract/ MOU.

The Terms and Conditions of the contract/MOU have been clearly understood by me/us before submission of this tender.

I /We declare that my/our firm is free from legal encumbrance and is in a position to supply and provide support for the components I/we are bidding for. The above tender with amount indicated for each item is hereby offered by me.

Dated _____ this day of _____ year _____ at _____.

Name

Designation

Company

Address (with phone, e-mail)

Signature of the bidder with seal

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Annexure 'B' – List of Equipment

	Item	Specification	Units
1	Rack	19" CMAC width, 42 U, depth 800-1000 mm; monitor and keyboard tray; Power – 10KW, 3 Power Distribution Units (each with at least 6 plug points), 16 port KVM switch, cable manager with suitable cable lengths, front glass cover, perforated back cover, fans (on top and at bottom), glass cover, redundant power supply, 42 U	1
2	Rack mounted servers	2 or 4 CPU, 8 or more cores/CPU, clock speed - 2 GHz or better, at least 3 GB RAM/core, 300 GB HDD SATA or better, 2 x 1GBPS NIC*	100 cores or more
3	Rack mounted Scheduler	24 GB RAM (ECC registered); 2 CPU, 4 cores/CPU or better; disk mirroring for OS, 300 GB, DVD drive, LCD/LED monitor, keyboard, mouse.	1
4	Network Attached Storage Box	48 TB after RAID-6, RAID 6 Level – No Single Point Failure, no redundancy required, configurable as XFS; SATA, 7200 RPM or better, expandable up to 128 TB, Linux server with 4 x 1Gb NIC, ~12 U	1
5	Network switch	48 ports, 1GBPS, 1 GB uplink port, ~2U	1
6	UPS	Online, Double conversion, built-in isolation transformer, 5 KVA, SNMP enabled, 30 minutes battery backup	2

NIC – Network Interface Card

Important Note:

1. For computing elements the computing power per unit price will be considered rather than the number of server/ CPU/cores.
2. All chipsets, controllers, motherboard, should work "out of the box" with SL 5.5 and above.
3. The servers will run on Scientific Linux 5.5 or, above which is basically RHEL equivalent. Suppliers may satisfy themselves by visiting "<https://www.scientificlinux.org>" before committing after sales support.)
4. Total power consumption should be mentioned. The solution that occupies less rack space and less power will be preferred.
5. All other technical details and specifications wherever applicable should be provided.
6. Vendors should have OEM support and authorization to submit the quotes and sign the contract on their behalf.

7. Computing and network elements should be rack mounted, width is indicative only.

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Annexure 'C' - Technical Bid

(The bidder may submit separate sheets for each item in the Annexure 'B')

1	Name of the bidder	
2	Postal Address with phone no. and e-mail	
3	Whether Manufacturer / Authorised dealer	
4	In case of dealer, mention detail of the company for which the bidder is representing	
5	Detail of the Tender Fee - amount, date, number, drawn on bank, payable at:	
6	Detail of the EMD - amount, date, number, drawn on bank, payable at:	
7	Documents attached regarding item 3, Annexure 'A'	
8	Documents attached regarding item 4, Annexure 'A'	
9	Documents attached to establish financial credentials of the bidder - items 8, 9, Annexure 'A'	
10	Model name/number, brand name uniquely identifying each item: (price for each item to be mentioned separately in the financial bid only)	
11	Document(s) attached regarding technical specification of each item:	

Date:

Signature with seal

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Annexure 'D' - Financial Bid

1	Name of the bidder	
2	Postal Address with phone no. and e-mail	

	Item	Model, Brand name (item 10 in Annexure 'C')	Warranty period	Unit price	Cost for extended warranty/MC*

* The components are expected to have at least 3 years' warranty from the manufacturer. The original warranty and extended warranty/MC should add up to at least 5 years. (If the manufacturer's warranty for an item is for 3 years, additional warranty/MC should be for 2 years.)

Date:

Signature with seal