

National Centre For Cell Science, Pune

An Autonomous Institute of Department of Biotechnology,
Ministry of Science & Technology, Government of India

NCCS Complex, S. P. Pune University Campus,
Ganeshkhind, Pune – 411 007.

Website: www.nccs.res.in, Ph- 020-25708000, Fax: 91(020)25692259

GLOBAL TENDER

Tender Notice No. NCCS/PUR-2/2019-20

The Director, NCCS invites sealed tenders from the reputed eligible Manufacturers / Suppliers for following items (under Two Bid System). The Tender Documents with detailed terms & conditions is available on the official website www.nccs.res.in which may be downloaded by interested bidders. Any Changes in Tender Schedule, Corrigendum, Amendment, Extension of due dates etc, if any, shall be available in our website only & will not be published in the news papers separately.

Sr. No	Tender Item	Date & Time of Pre-Bid Meeting	Last date & Time for submission of tender	Tender Opening date & Time
1.	Storage Server & Computer Server	28.11.2019 at 2.30 pm at NCCS, Pune.	13.12.2019 up to 02.00 PM	13.12.2019 at 2.30 PM

**Director
NCCS**

Storage Server and Computer Server
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CHAPTER 1: GENERAL TERMS & CONDITIONS OF THE BID

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CHAPTER 1 : GENERAL TERMS & CONDITIONS OF THE BID

1. **The Director, National Centre for Cell Science (NCCS), NCCS Complex, S. P. Pune University Campus, P.B.No. 40, Ganeshkhind, Pune 411 007** invites sealed tenders for **Storage Server and Computer Server** from the original manufacturer and / or their authorized bonafide Indian Agent only having the following credentials and should have satisfactorily completed similar supply (at least one of them in Central Government, Central Autonomous Body or Central PSU)

Similar or Similar Nature of supply means Supply and Installation of Storage Server and Computer Server for any of the following:

- a) Government or Autonomous Institutions
- b) Government Research Centers
- c) Universities (Govt./Private)
- d) Autonomous or Reputed Private Research Centers

2. **The Bidders are requested to give detailed offer/quotation in their own forms in two Bids [i.e. Part - I Technical Bid and Part - II Commercial Bid].**

3. **Contact for information: (Only E-mail enquiries will be entertained, oral discussions will not be valid)**

For Technical Information: Dr. G. C. Kundu - Email Id : kundu@nccs.res.in
Dr. Janesh Kumar – Email Id : janesh@nccs.res.in

For Commercial Information: In-charge(S&P), Email Id: strpurch@nccs.res.in

4. **Supply means:-**

“Supply, Satisfactory Installation & Commissioning and Demonstration and Training of personnel at NCCS about the whole equipment”. **Satisfactory Installation and commissioning of the equipment at NCCS site is bidders responsibility.**

(a) Tender envelopes may be dropped in the Tender Box kept at the NCCS Purchase Section, Pune

(b) Time and Date of Submission : As per the schedule mentioned in the Tender Notice.

(c) Time and Date of opening the Technical Bid: As per the schedule mentioned in the Tender Notice.

NCCS will not be responsible for submission or delivery of quotation at wrong places. The Bid can be submitted in person or through Indian post to “ **The Director, National Centre for Cell Science, NCCS Complex, S. P. Pune University Campus, P.B.No. 40, Ganeshkhind, Pune 411 007**” so as to reach on or before the due date and time.

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NCCS will not be responsible for delayed or late quotations submitted or sent by post etc. resulting in disqualification/rejection of any Bid. Fax/E-mail/Telegraphic/Telex will not be considered unless it is asked for.

No request for extension of due date will be considered under any circumstances.

5. Two Bid System: -

The two bid system operated is as per the 'General Financial Rule, 2017' and 'Manual for Procurement of Goods 2017, Ministry of Finance' of Government of India.

The Two Bid system should be followed for this tender. The purpose of obtaining Two Bids (Technical and Commercial) is to evaluate all the firms on technical basis with reference to the tendered specifications, performance of similar Solutions / Applications elsewhere, obtaining users views with reference to the earlier supplies. This will enable the technical committee to arrive at a fair recommendation in the interest of the Centre. In this system the bidder must submit their offer in two separate sealed envelopes. Both the technical bid and commercial bid envelopes should be securely sealed and stamped separately and clearly marked as “Envelope No.1 – Technical Bid” and “Envelope No.2 – Commercial Bid” respectively. Both the sealed envelopes should be placed in a third larger envelope. The main envelope which will contain both the bids should be super-scribed with our tender enquiry No. NCCS/PUR-02/2019-20 and to be submitted to the address given below.

The Director, National Centre for Cell Science, NCCS Complex, S. P. Pune University Campus, P.B.No. 40, Ganeshkhind, Pune 411007.

The envelopes must be super-scribed with the following information:

- Tender Reference Number
- Due Date
- Name of the item (s) quoted for

- **Envelope No. 1 – Technical Bid** shall contain “Acceptance of Terms and Conditions”, “Technical Bid” and Earnest Money Deposit (EMD). The technical offer should not contain any price information.

- **Envelop No.2 – Commercial Bid** shall contain commercial bid only.

BIDDER should :

- (a) Take into account any corrigendum published related to tender document on the NCCS Website before submitting their bids.

- (b) Carefully peruse and comprehend **technical requisites of the instrument** sought by the Indentor, and shipment, installation, **EMD, Warranty and Payment conditions** laid down by the Institute, before submitting their bids. No complaint or objection will be considered or entertained during any stage from tender opening to release and completion of order.

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(c) Director/Stores & Purchase Officer may seek confidential feed back from any/all bidders at any time before/after opening of technical / commercial Bid and may take decision on bidders feed back.

6. Envelop No. 1 : 'Technical Bid shall contain :

(a) The Technical Bid must be submitted in an organized and structured manner mentioning the page numbers on each page of the respective bid. No brochures/leaflets etc. should be submitted in loose form.

(b) Tenders, which are submitted without following the Two-Bid Offer System will summarily be rejected.

(c) Bid submitted should be organized and complete in all aspects. Bids received with incomplete documents and information shall be rejected summarily.

The Technical Bid should comprise of the following :

(a) The technical offer should be completed to indicate that all products and services asked for are quoted. Each page of the bid and cutting or corrections shall be duly signed and stamped by the bidder. Unsigned Tenders will also be rejected. Failure to comply with this requirement may result in the bid being rejected.

(b) The purpose of certain specific conditions is to get or procure best product or service etc. for NCCS. The opinion of Technical Committee shall be the guiding factor for technical short listing.

(c) The **Technical Bid** should accompany the complete technical details as per the specifications mentioned in the tender documents along with refundable Earnest Money Deposit (EMD). The EMD will be accepted only in the form of Account payee Demand Draft, Fixed Deposit Receipt, Bank Guarantee (any one) from any Commercial Bank or payment online in an acceptable form for the following purpose (Drawn in favour of Director, NCCS, Pune):

	Earnest Money Deposit (EMD)/ (to be enclosed with Technical Bid-Part I).
In Figure	Rs.2,00,000/-
In Words	Rs. Two Lakh Only.

(d) No exemption in Earnest Money shall be given except Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organisation or the concerned Ministry or Department.

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- (e) All tenders submitted without requisite amount of earnest money shall be rejected and their commercial bids shall not be opened. No interest is payable on EMD.
- (f) The EMD will be returned to the bidders(s) whose offer is not accepted by NCCS within one month from the date of the placing of the final order(s) to the selected bidder(s).
- (g) In case of the bidder(s) whose offer is accepted the EMD will be returned on submission of Performance Security. However, if the return of EMD is delayed for any reason, no interest or penalty shall be payable to the bidders.
- (h) The EMD shall be forfeited: If the BIDDER withdraws the bid during the period of bid validity specified in the tender OR in case a successful BIDDER fails to furnish the Performance Bank Guarantee (if applicable).**
- (i) If the bid is for **branded makes authorization letter** should be submitted from the principal, clearly indicating that the vendor is the competent authority to sell and provide services towards the items mentioned in the scope of supply, given in this tender document.
- (j) Copy of **GST/LST/CST/WCT No., PAN No. and TIN/TAN No.** allotted by the concerned authorities should be provided. If registered with the National Small Industries Corporation, the registration Number, purpose of registration and the validity of period of registration may be provided. Copy of **latest DGS&D**, New Delhi Registration Certificate under the compulsory scheme of Ministry of Finance regarding the registration of Indian Agent of foreign supplier wherever it is applicable should be provided in the Technical Bid.
- (k) Compliance sheet with any deviation with reference to the terms and conditions and specifications.
- (l) Indicate the name of the Government Institutes where you have supplied similar equipment and may attach the satisfactory performance report of the equipment from user organisation.
- (m) The item should be supplied with manuals and the manuals including technical drawings should be completed in all respects to operate the system without any problem.
- (n) Bid documents should be submitted as per the above sequence with Index page and page numbers (including technical literature). Each page of the bid should be signed and stamped in original. Unsigned bids will not be considered for evaluation.
- (o) Technical Bid should be duly filled with **proper seal and signature** of authorized person on each page of the bid with complete **specifications and drawings**, Manufacturer's name, address and relevant Technical **Literature/Brochures with warranty Terms and EMD**.
- (p) Please do not insert 'Commercial Bid' (prices quoted) in the technical bid envelope. If the price quoted is submitted with technical bid the tender will be rejected.

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7. Envelope 2: “Commercial Bid” shall contain:-

- (a) Price schedule complete in all respects with proper seal and signature of authorized person. Tender with any condition including conditional rebate shall be rejected forthwith.
- (b) Cost of all the items should be mentioned clearly and individually in the Commercial Offer (Part-II) only.
- (c) The Bidders are requested to quote for Educational/Institutional Price for Machine/Equipment since we are eligible for the same.
- (d) Cost of the items and taxes should be mentioned clearly in the Commercial Bid only. Optional and any other essential items / accessories required for the maintenance of the equipment for the next **Ten years** should also be specified in the offer separately.
- (e) In case of foreign quote, the Principal supplier should clearly indicate the Name and Address of the Indian Agent, if any. This information should be clearly mentioned in the Commercial Bid only.
- (f) Pre-bid meeting will be arranged as per the Date, Time and Venue mentioned in the Tender Notice published.
- (f) **Warranty & AMC Clause:-**
- The Bidder should clearly mention the Standard Warranty Period of the Equipment.
- Additional Warranty Clause : Bidder should clearly mention the charges for 2 years Additional Warranty with year-wise breakup after completion of the Standard Warranty period.**
- AMC Clause: Charges for Comprehensive and Non-comprehensive AMC (with year-wise break-up) should be mentioned in the bid.**
- (g) Discount offered should be mentioned clearly in the Commercial Bid only.
- (h) The prices should be shown against each item for the purpose of insurance claims or replacement if any.
- (i) List of deliverable/Bill of Materials and Services.
- (j) In case of foreign quote the address of Principals/manufactures and their Bankers details should be furnished.

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(k) **Price :-**

- (a) The price quoted shall be considered final and no price escalation will be permitted.
- (b) The quotation should be in Indian Rupees or any known foreign currency. In case of foreign currency bids, the price criteria should be on CIP/CIF Mumbai Air/Sea Port. Packing, forwarding, freight, insurance charges, if any, may be quoted separately in Commercial Bid.

Important Note:

Payment of custom duty, clearing charges, transportation and insurance charges up to NCCS, Pune should be born by the supplier. Custom Duty Exemption Certificate will be provided by NCCS at the time of clearing of consignment, if required.

In case of INR bids the price criteria should be on F.O.R.,NCCS, Pune.

Government taxes and levies like central GST, WCT etc., if any, shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price plus other taxes as applicable.

NCCS is registered with the Department of Scientific & Industrial Research (DSIR) for purpose of availing customs duty exemption in terms of Government Notification No.51/96 customs dated 23 July 1996.

(l) The BIDDER must give details of identical or similar equipment, if any, supplied to any laboratory [Government or Autonomous Institutes/ Research Centres, Universities and Reputed Private Research Centers] during last three years along with the final price paid and performance certificate from the Institute where they have supplied the same equipment along with Purchase Order copies as benchmarking towards the prices.

8. Date of opening of the Technical Bids:-

(a) The Technical bids will be opened in the presence of the bidders on the specified time and date as mentioned in the Tender Notice. The Bidders authorised representative can attend the Bid opening with proper authorisation letter that shall be produced at least one day before tender opening.

(b) Bidders who have responded to the tender only will be allowed to be present.

(c) The technical bids will be evaluated to shortlist the eligible bidders. The commercial bids of the short listed bidders shall be considered for further processing.

(d) Bidders whose technical offer is found acceptable and meeting the eligibility requirements as specified in this tender will be informed about the date and time of the opening of the commercial bid.

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(e) The commercial offers of the BIDDER whose technical offers are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening.

(f) No Camera Mobiles / Mobiles are allowed during tender opening.

9. Terms of the Technical Committee :

(a) On the due date, the Technical bids will be opened and referred to the Technical Committee which is duly constituted by the Director, NCCS, Pune.

(b) The technical committee will do an assessment of the Technical Bid, in order to determine whether they are substantially responsive to the requirements set forth in the tender. In order to reach such a determination, NCCS, Pune will examine the information supplied by the BIDDERS, and shall evaluate the same as per the specifications mentioned in this tender.

(c) The technical committee will formulate evaluation criteria to the specifications and requirements indicated in the tender, in the interest of NCCS, Pune and this criteria/recommendation will decide the short listing of the firms.

(d) Further, the Technical Committee may seek additional information from the existing users at NCCS, Pune or from other Institutes and also call for Technical presentations from the BIDDERS if it is required so.

(e) The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made by the Technical Committee.

(f) Finally the committee will consider the technical aspect of the tender and all relevant information to **recommend short listed firms**. The recommendation of the technical committee is the final **and binding on all the parties**.

(g) After the technical evaluation is completed and approved, NCCS, Pune shall inform to the BIDDERS whose bids have been rejected technically. The commercial offers of the vendors whose technical offers are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening along with their EMD.

(h) In the event of seeking any clarification from various BIDDERS by NCCS, Pune the BIDDERS are required to furnish only technical clarifications that are asked for. **No amendment to commercial bid will be entertained at that stage.**

(i) In case if a BIDDER fails to quote for a particular item, it amounts to non-compliance and hence such bid will not be considered for further evaluation. Further during, this process, if any, BIDDER indicates the price during the clarification such bids also will not be considered for further evaluation.

(j) The successful BIDDERS will be informed regarding the date and time of Commercial bid opening.

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10. Opening of Commercial Bids:-

NCCS will open commercial bids of the short listed bidders, in the presence of the bidders or their authorized representatives who choose to attend the commercial bid opening. The Date and Time of opening the Commercial Bid will be intimated only to pre-qualified and technically accepted Bidders for the item at a later date.

The representatives of short listed firms only will be allowed to attend the commercial bid opening. ONLY TECHNICALLY accepted competitive bids will be considered for placing Purchase Order.

11. Competent Authority i.e. the Director, NCCS reserves the right to accept the offer in full or in parts or reject summarily or partly without assigning any reason.

12. Delivery Period / Timeliness:

The BIDDER should strictly adhere with delivery Period mentioned in the purchase order.

(a) As time is the essence of the contract, Delivery Period mentioned in the Purchase Order should be strictly adhered to. Otherwise NCCS will forfeit EMD/SD and also Liquidated Damage (LD) clause will be enforced.

(b) If the supplier fails to supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per week of delay subject to maximum of 10% beyond the due date till satisfactory installation and commissioning. Such money will be deducted from any amount due or which may become due to the supplier.

13. Locations for the Supply/Services :-

Storage Server and Computer Server covered by this document are required to be supplied and installed at NCCS, Pune.

14. Release of Payment:-

(a) Successful BIDDER, on award of the contract/order, **must send the contract/order acceptance/confirmation in writing within 7 days of award of contract/order failing which the EMD will be forfeited.**

(b) NCCS PREFERS TO RELEASE PAYMENT TO THE SUPPLIER WITHIN 30 DAYS AFTER RECEIPT OF 100% MATERIAL & ACCEPTANCE OF THE SAME AND SATISFACTORY INSTALLATION AND COMMISSIONING THEREOF.

(c) For Import Purchases: No Agency Commission will be paid as per Government of India Rules, as applicable.

(d) NCCS will not provide any accommodation/transportation for the engineers/ representative for attending installation, commissioning and demonstration work. It is the absolute responsibility of the Principal Supplier / Indian Agent to make their own arrangements.

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15. Performance Security:-

- a) The successful bidder should furnish a Performance Security in the form of an Account Payee Demand Draft, Fixed Deposit Receipt, Bank Guarantee (any one) from a Commercial Bank within Fifteen (15) days of the award of contract / Purchase Order, amounting to 10% of the purchase order value in favour of the 'Director, NCCS, Pune' for warranty period.
- b) Performance Security remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.
- c) Performance Security should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.
- d) In case of extension of warranty period under any circumstances, the validity period of Bank Guarantee will be required to be extended accordingly by the supplier.

16. Period of validity of bids:-

Bids shall be valid for a period of 120 days from the date of opening of the Technical Bid. NCCS may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such request without forfeiting the EMD. A bidder agreeing to the request for extension will not be permitted to modify his bid. Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

17. Award of contract :-

NCCS shall award the contract / Purchase Order to the eligible bidder whose bid has been determined as the lowest evaluated commercial bid. If more than one bidder happens to quote the same lowest price, NCCS reserves the right to award the contract / Purchase Order to more than one bidder or any bidder.

18. Purchaser's Right to vary Quantities at the time of Award:

NCCS reserves the right at the time of award of Contract / Purchase Order to increase or decrease the quantity of items specified in the Schedule of Requirements without any change in price or other terms and conditions.

19. Solvency Certificate:

Solvency Certificate (not older than twelve months), for minimum amount of Rs. 80,00,000.00 (Rs. Eighty Lakhs Only) issued by commercial Bank in which bidder holds a current account should be attached with the Technical Bid.

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20. Corrupt or Fraudulent Practices :-

NCCS requires that the bidders who wish to bid for this project have highest standards of ethics. NCCS will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract. NCCS may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the execution of contract. Successful bidder will have to sign INTEGRITY PACT with NCCS (copy of Integrity Pact is available on NCCS Website under the head of Tender).

21. Interpretation of the clauses in the Tender Document or Contract Document

In case of any ambiguity or dispute in the interpretation of any of the clauses in this Tender Document, Director, NCCS or his nominee interpretation of the clauses shall be final and binding on all parties.

22. Pre-installation:-

Pre-installation facilities required for installation should be mentioned in the technical bid. Subsequently, before the delivery of the material at NCCS, Pune the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipment. In other words the bidder should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

23. Installation :-

Bidder shall be responsible for installation/demonstration whenever applicable and for after sale service during the warranty and thereafter.

Installation demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.

No sub-contracting will be allowed for installation or maintaining system / equipment instrument during or after warranty period.

24. Training:-

Trained Service Engineer and Application trainer should be locally available to support as and when required.

On site application training should also be arranged for Institute's Scientists.

25. Warranty and Support:-

a)The items covered by the schedule of requirement shall carry minimum one year comprehensive warranty from the date of acceptance of the equipment by the institute. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.

b)The defects, if any, during the warranty period should be rectified free of cost. If, this involves import of components, the resulting costs including those of customs, import, transport etc. should be borne by the vendor.

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- c)The software upgrades, if any, should be provided free of cost during the warranty period.
- d)The bidder shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 10 years from the date of supply of equipment on approved price list basis.
- e)The AMC charges after warranty period are to be quoted by the bidders in the Commercial offer. This price could be one of the criteria for arriving at a successful bidder.
- f)Vendor should indemnify, protect and save NCCS, Pune, against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademark, copyright etc. or such other statutory infringements in respect of all the equipment supplied by him.

The equipment must be supported by a Service Centre by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year. Also it should be possible to contact the Principal's vendor support Centre on a toll free number or web or mail.

The BIDDER will have to arrange for all the testing equipment and tools required for installation, testing and maintenance etc.

26. Indemnity :-

The vendor shall indemnify, protect and save NCCS against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment's supplied by him.

The successful bidder will be fully responsible for payment of wages and other dues as prescribed and compliance of various Labour Laws.

The successful bidder should give an undertaking that the staff deployed at the centre in terms of this contract at all time will be employees of the agency exclusively and they shall not be entitled to any claim of employment or permanency of job with NCCS.

NCCS reserves the right to forfeit whole or part of the security money towards any damage/loss caused due to the negligence on the part of the agency engaged.

27. Insurance :-

The equipment to be supplied will be insured by the vendor against all risks for loss or damage from the date of shipment till such time it is delivered and installed at NCCS site in case of Rupee/Foreign currency transaction.

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28. Penalty for delayed Services / Liquidated Damages:-

As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise NCCS will forfeit EMD/SD and also Liquidated Damages clause will be applicable /enforced.

If the supplier fails to Supply, Install and Commission the equipment as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.

Competent Authority i.e. Director, NCCS reserves the right to cancel the order in case the delay is more than 30 days. Penalties, if any, will be deducted from the EMD.

29. The Director, National Centre for Cell Science, Pune-411 007, India, reserves the right to accept any tender in full or in part to reject the lowest of any or all tenders without assigning any reason.

30. Jurisdiction:-

The disputes, legal matters, court matters, if any, shall be subject to Pune Jurisdiction only.

**Incharge (Stores & Purchase)
NCCS, Pune.**

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Chapter 2: Specifications for Storage Server:

**Technical Specification of Storage server
(Make DELL/HP/Lenovo etc.)**

Storage	Description	No
Converge / Unified Storage	1. Storage array shall be a true converge / unified storage with a single Microcode / operating system for File, block and object services respectively. 2. Storage array shall be end-to end 12Gbps enabled which means that both Front-end Fiber channel ports and Back-end engines shall be operated at minimum 12Gbps speed.	
Operating System & Clustering Support	The storage array should support industry-leading Operating System platforms including: RHEL, UBUNTU 18.04, <i>Windows 2012</i> , Windows 2016, VMware, Solaris, HPE-UX, IBM-AIX	
Capacity & Scalability	1.6TB SSD + 80TB RAW Capacity using 4TB NL SAS 12G drives. Scalable for 240 drives using additional drive enclosures	
Cache	minimum 64GB cache in a single unit for Data and Control information.	
Processing Power	ASIC, XOR engine with no load on the storage CPU during Raid Parity calculations.	
1 No Single point of Failure	Array to be configured in a No Single Point of configuration including Array Controller card, Cache memory, FAN, Power supply etc.	1
Disk Drive Support	Storage Array to support dual-ported 300 / 600 / 1200 / 1800GB hot-pluggable Enterprise SAS hard drives, Minimum of 1.2TB SSD Drives along with nearline SAS drives of 2TB / 4TB / 6TB / 8TB drives.	
Raid Support, Virtualization and Number of Volumes	Storage system to support Raid 1, 5 and Raid 6 and have native virtualization support so that Raid 1, Raid 5, Raid 6 can be carved out from a logical space instead of dedicating separate physical disks for each application. Storage array to support more than 2000 Volumes per controller	
Data Protection	In case of Power failure, Storage array to have de-stage feature to avoid any data loss.	
Protocols	Offered Storage array to support all well-known protocols like FC, ISCSI, FCOE, SMB 3.0, NFS V4, FTP/FTPS etc.	
Host Ports and Back-end Ports	Offered Storage to have minimum of 4 x 16Gb, 4 x 10Gbps ISCSI and 4 x 10Gbps IP (Ports for file operations) host ports for connectivity to servers and have two additional IP ports for the storage based replication.	
Global Hot Spare	Storage Array to support distributed Global hot Spare for offered Disk drives which will be configured as per industry practice.	

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Performance and Quality of service	Storage to have capability to use more than 30 drives per array group or raid group for better performance and to support quality of service for critical applications so that appropriate and required response time can be defined for application logical units at storage Quality of service engine to allow to define minimum and maximum cap for required IOPS / bandwidth for a given logical units of application running at storage array.
Thin Provisioning and Space optimization	Storage array to support Thin provisioning and Thin Re-claim to make the volume thin for an extended period of time for complete array supported raw capacity. Storage array to support data reduction feature of De- duplication and Compression for thin volumes running on Solid state drives and provide support for both de-duplication and compression on a given volume simultaneously.
Maintenance	Storage to support online non-disruptive firmware upgrade for both Controller and disk drives.
Integration - Container	Storage array to support integration with Docker, Red-hat OpenShift, Kubernetes and MESOS container technologies. Vendor to support all functionalities through their integration plugin and Support for both Fiber channel as well as ISCSI.
Snapshot / Point in time copy / Clone	Storage to support the snapshot and full copy (Clone) on the thin / thick volumes or vice-versa. Storage array should have support for both controller-based as well as file system based snapshots functionality.
Quota Management and Antivirus Scanning	For file services operations, storage shall support both user level as well as file level hard and soft quota and support integration with industry leading antivirus vendors like Symantec, Trend Micro, sophos and MacAfee .
Storage Array Configuration & Management Software	Vendor shall provide Storage Array configuration and Management software. Software shall be able to manage more than one array of same family.
Storage Tiering	Storage to support dynamic migration of Volume from one Raid set to another set while keeping the application online.
Remote Replication	Storage array should support hardware based data replication at the array controller level. Replication shall support incremental replication after resumption from Link Failure or failback situations.
File Level retention and immutability	For file services operation, storage array shall support file protection against accidental, premature, malicious deletion and modification of data using file locking mechanism of WORM and Legal hold. Apply of legal hold shall ensure that File cannot be moved, modified, or deleted regardless of the retention period
Licenses	Storage subsystem shall be supplied with Thin provisioning, Snapshot, Clone, Performance Monitoring, Online Raid Migration, Online Volume conversion (thin to thin compressed, thin to thin de-dup etc.), Quality of services, Sub-LUN data tiering, Flash cache, and File services on day 1 for the maximum supported capacity of array.
OEM	Storage should be offered from the same OEM of the Server
Warranty	3-year warranty with onsite support (Year wise breakup required)

**Storage Server and Computer Server
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**Technical specifications of Computer Server
(Make DELL/HP/Lenovo etc.)**

S/N	Item	Product Specifications	
2	CPU	2 x Intel Xeon Gold 6230 @2.4 GHz / 20 Core	2 No.
	Motherboard	Intel C621 Series Chipset OEM Motherboard or higher	
	Memory	256 GB (32GB x 8) DDR4 RDIMM 2666MT/s	
	DIMM Slots	24 number of DIMM slots	
	Memory Protection	Advanced ECC with multi-bit error protection, Online spare, mirrored memory and fast fault tolerance	
	OS Drives	4* 1.2 TB SAS 12G 10k RPM 2.5” Hot Plug Drives	
	Drive Bays	Expandable to 16 SFF hard disk drive bays	
	Optical Drive	Combo DVD-RW Internal Drive	
	Controller	Onboard RAID controller supporting SSD/HDD and at least two M.2 drives	
	Hardware RAID Controller	12Gb/s SAS Raid Controller with RAID 0/1/5/6 support	
	Graphics	Graphics with Integrated 16MB video memory	
	Remote Management	Dedicated remote management controller with 32MB Flash memory	
	Ports	4 USB, 1Gb 4-port network adaptors	
	10G NIC ports	10GBaseT 2-port Ethernet adaptor	
	FC HBA	Dual 16 Gbps FC HBA with cables	
	Power Supply	750 watt Platinum Grade, Hot plug, redundant, power	
	Fans	Redundant hot-plug system fans, minimum 6 or higher	
	Server Management	Server OEM, Server Management Software with rack mount accessories	
	Warranty	3yrs comprehensive onsite (Year wise breakup required)	
OS	Ubuntu 18.04 Aug. LTS rel. preloaded		

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CHAPTER 3: TECHNICAL BID FORM

Sr. No.	Particulars	
1.	Bidder's Name	
2.	Bidder's Authorized Representatives Information Name: Address: Telephone / Fax number: Email Address:	
3.	Bidder's actual or intended Country of Registration.	
4.	Registration No. of the firm under appropriate core authority. (Attach copy)	
5.	PAN of Proprietor / Firm (Attach copies of the last 3 years I.T. return)	
6.	GST Registration No. ISO No.: (Attach copies)	
7.	Authorization letter from Principal with period.	
8.	Present list of Government Organisations where you have provided similar equipment & Services during last three years.	
9.	Latest Bank Solvency Certificate to be enclosed (As per Tender Document Clause)	
10.	The Demand Draft/Bank Guarantee towards EMD and DD towards Tender Cost to be enclosed (As per Tender Document Clause)	
11	Any other relevant Information	

I, the undersigned, declare that:

- (A) I have examined and have no reservations to the bidding Documents.
- (B) I offer to supply the tendered item in conformity with the Bidding Documents and as per the specifications and allied Technical details mentioned under chapter 2 of the Technical documents.
- (C) Our bid shall be valid for the period of time specified in the tender notice.

Place :-
Date :-

Signature of the Bidder : _____
Name : _____

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CHAPTER 4: CHECKLIST: ELIGIBILITY CRITERIA FOR BIDDERS:

Please read carefully, confirm and encircle/put tick mark on YES/NO as applicable.

- | | |
|--|---------------|
| 1. Two separate bids (Technical and Commercial) duly filled in and signed in sealed envelopes are submitted in another one envelope duly sealed. | YES/NO |
| 2. The Demand Draft/Bank Guarantee towards Earnest Money Deposit (EMD) and DD towards Tender Cost are enclosed in the Technical bid. (as per tender clause) | YES/NO |
| 3. Undertaking to give 10% Performance Security applicable to successful bidder. (PBG format is enclosed as per Annexure 'A') | YES/NO |
| 4. Authorization letter from Principal enclosed. | YES/NO |
| 5. Registration certificate of the firm under appropriate Govt. authority. | YES/NO |
| 6. Self attested Copy of PAN Card is enclosed. (With copies of the last 3 years I.T. return) | YES/NO |
| 7. Self Attested copy of Goods Service Tax Registration certificate (GST) as applicable is enclosed. | YES/NO |
| 8. Self Attested copy of relevant ISO Certificate is enclosed. | YES/NO |
| 9. Agreements / Purchase Orders / Completion certificates, from the clients for whom similar supply has been made by the bidder in last three years is enclosed with commercial bid. | YES/NO |
| 10. Solvency certificate (not older than twelve months) issued by Commercial Bank in which bidder holds the current account is enclosed with Technical Bid.. | YES/NO |

Signature of the Bidder with Seal of the firm.
Date:

Encl.: as above

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Annexure 'A'

SPECIMEN OF BANK GUARANTEE FORMAT

To,

.....WHEREAS.....
..... (Name and address of the supplier) (hereinafter called “the supplier”) has undertaken, in pursuance of contract no.dated to supply (description of goods and services) (herein after called “the contract”) .

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you a bank guarantee of any Commercial Bank for the sum specified therein as security for compliance with its obligations with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until theday of 20.....

(Signature of the authorized officer of the Bank).....

Name and designation of the officer

Important information for future communication: Seal, Name & Address of the bank and address of the Branch along with the Telephonic No., Fax. No. and e-mail address of the contact person.

Note: Bank Guarantee without above details will be rejected.

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CHAPTER 5: COMMERCIAL BID FORM

5.1 COMMERCIAL BID FOR GOODS BEING OFFERED FROM ABROAD

1. Name and address of the Bidder _____

2. Name of the Goods / Equipment for which the commercial bid is submitted here with.

1	2	3	4	5	6		7		8		9
Sr. No.	Item Description	Country Of origin	Unit	Quantity	Unit price		Total price (5 x 6)		Charges for Insurance & transportation to port/place of destination		Total price (7 + 8)
					FOB (named port of shipment)	FCA Mumbai (named place of delivery)	FOB (named port of shipment)	FCA Mumbai (named place of delivery)	Ocean , Mumbai	Air, Mumbai	

Note:. Total Bid price in foreign currency _____ (in words _____).

- (a) Indian agents name _____
& address _____
- (b) Cost of Spares _____
- (c) The cost of optional items shall be indicated separately _____

Signature of Bidder _____
Name _____
Business Address _____
Date : _____

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5.2 COMMERCIAL BID FOR GOODS BEING OFFERED FROM INDIA.

1. Name and address of the Bidder _____

2. Name of the Goods / Equipment for which the commercial bid is submitted here with.

1	2	3	4	5	6	7	8	9
Sr. No	Item Description	Unit	Quantity	Ex-Works price	GST payable	Packing & forwarding charges	Charges for inland transportation, insurance up to Lab. / Institute	Total Price

Note : Total Bid price in Indian currency Rs. _____ (in words _____).

(a)The cost of optional items should be indicated separately _____.

(b)Cost of Spares if any should be indented separately _____.

Signature of Bidder _____

Name _____

Business Address _____

Date: _____

**To,
The Director,
NCCS,
Pune-411 007**