

**NATIONAL CENTRE FOR DISEASE INFORMATICS AND RESEARCH
(Indian Council of Medical Research)**

Department of Health Research, Ministry of Health and Family Welfare, Government of India
Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli, N.H-7, B. B. Road, Kannamangala Post,
Bengaluru-562 110 (India)

TENDER FOR

**Supply, Installation, Commissioning and Testing of Servers and
Components for National Centre for Disease Informatics and Research
(ICMR), Bengaluru**

Email: ncdir@ncdirindia.org
Website: www.ncdirindia.org

Tender Inquiry No: NCDIR/ICMR/Server/194/2018

Dated: 23.01.2020

Name of the Bidder:

Cost of Tender Document – Rs.500/-

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NATIONAL CENTRE FOR DISEASE INFORMATICS AND RESEARCH
Indian Council of Medical Research, Bengaluru

NOTICE INVITING TENDER

NCDIR, Bengaluru invites sealed tenders under two bid system for supply, installation, commissioning and Testing of Servers and Components for National Centre for Disease Informatics and Research (ICMR), Bengaluru.

SCHEDULE		
Sl. No	Activity Description	Schedule
1.	Tender Enquiry	No. NCDIR/ICMR/Server/194/2018
2.	Sale of tender Document	Tender document can be collected from NCDIR, Bengaluru office or downloaded from the website www.ncdirindia.org , https://eprocure.gov.in From 24.01.2020 to 17.02.2020 up to 5.30 pm.
3.	Time and Date of Pre-Bid Meeting	06.02.2020 at 2.30 pm
4.	Time and last date of depositing Tender/Bid	18.02.2020 up to 2.30 pm
5.	Time and date of Opening of Technical Bid	20.02.2020 at 2.30 pm
6.	Time and Date of opening of Financial Bid	The Financial bid will be opened after evaluation of technical bid, which will be announced later.
7.	Minimum Validity of tender Offer	One year from the date of Opening of tender
8.	Services to be offered	Supply, Installation, commissioning and testing of Servers and Components for NCDIR, Bengaluru
9.	Estimated Cost of Tender	Rs.60,00,000/-
10.	Amount of EMD to be Deposited	Rs.1,50,000/-
11.	Cost of Tender Document	Rs.500/-

Important Notes:

1. NCDIR reserves the right to accept / reject any/all tenders in part/full without assigning any reason therefor.
2. Any Addendum/Corrigendum about date extension etc. in respect of above tender shall be displayed on our website www.ncdirindia.org only and no separate notification shall be issued in the press. Bidders are therefore requested to regularly visit our website to keep them updated.

DIRECTOR
NCDIR (ICMR) BENGALURU

INSTRUCTIONS TO THE BIDDERS

The tender shall be submitted in accordance with these instructions and any tender not conforming the instructions as under is liable to be rejected. These instructions shall form the part of the tender and contract.

1. The firms fulfilling the following criteria, may submit their tenders duly super scribed as “Tender for Supply, Installation, Commissioning and Testing of Servers and Components for National Centre for Disease Informatics and Research (ICMR) Bengaluru” and addressed to “The Director, National Centre for Disease Informatics and Research (ICMR), Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli, Off N.H. -7, Adjacent to Trumpet Flyover of BIAL, Kannamangala Post, Bengaluru – 562 110” so as to reach on or before 18.02.2020 or the tender may be dropped in Tender Box placed at II Floor – Administration Room of NCDIR, Bengaluru.
2. The tender should be submitted in two separate sealed covers with technical bid marked clearly as “Technical Bid” and financial proposal marked as “Financial Bid”
3. The intending bidder, in case of Prime Equipment Manufacturers shall submit a self-declaration on their letter-head, along with the tender documents, confirming that they are regularly providing the services from last 5 years.
4. The intending bidder, in case of Authorized Distributor/ Authorized Dealer shall possess valid authorized Distributorship /Dealership license from Prime Equipment Manufacturers. The bidder shall enclose the copy of the same in the bid while submitting the tender.
5. The Local server shall be in compliance with the specifications mentioned in Annexure – I of the tender and shall be of the latest technology, best quality and high standards. The Bidder should enclose the product catalogue supporting the specifications mentioned in Annexure - I.
6. Any optional Accessories / Tools, besides the standard Local server recommended for the better performance of the equipment, if offered, may be provided with their full technical details including their use and advantage in a separate sheet with the tender documents. Warranty period, if applicable, should be specified for these.
7. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any bidder stipulates any condition of his own, such conditional tender is liable to be rejected.
8. Work order for Supply, Installation, commissioning and testing of Servers and Components for NCDIR, Bengaluru will be issued to the bidder on the basis of lowest technically acceptable tender, after obtaining necessary approval from the competent authority at ICMR Hqrs, New Delhi.

9. Director, NCDIR, reserves the right to reject any tender / bid wholly or partly without assigning any reason.
10. The Committee constituted by the Director NCDIR shall have the right to verify the particular furnished by the bidder independently. Those technically qualified bids will only be considered for price evaluation (Financial bid). Price should not be quoted with technical bid; otherwise the tender will be rejected without any correspondence. Decision of the Director, NCDIR Bengaluru on the eligibility for qualifying technical bids shall be final and no representation shall be considered in this regard.
11. All the communication with respect to the tender shall be addressed to:

The Director,
National Centre for Disease Informatics and Research (ICMR)
Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli
Off N.H. -7, Adjacent to Trumpet Flyover of BIAL
Kannamangala Post, Bengaluru – 562 110

12. In the event of any dispute the legal matter shall be subject to the jurisdiction of Bengaluru Court only.
13. On receipt of the approval from ICMR Hqs. New Delhi, the purchase / work order will be issued to the successful bidder.

We confirm our acceptance to the instructions from S.No.1 to 12 above.

Date:

Name, Signature and Seal of Bidder

COMMERCIAL AND GENERAL TERMS & CONDITIONS OF THE CONTRACT

Nature of tender: _____ for NCDIR, Bengaluru as mentioned in Annexure – I.

1. Eligibility Criteria:

1. The bidder should be either an Original Equipment Manufacturer (OEM) or Authorised Dealer/Distributor of the OEM of the offered products. A valid certificate Manufacturers Authorization Form (MAF) to this effect, including the warranty support for 5 years, from the OEM, of the product quoted should be enclosed.
2. A letter stating that the products quoted is not end of life should be produced from the OEM
3. The bidder must have an office in Bangalore and should have 24/7 call logging facility. Details of call logging procedure, support centre and escalation matrix should be provided in the bid. The bidder should provide a single point of contact and email address for seeking clarification regarding the bid.
4. Bidder should have expertise of having successfully completed similar supplies during the last three (3) years, supporting documents of two purchase orders and installation reports for similar servers/setup or larger supplies/setup should be enclosed.
5. NCDIR is an academic institution and we are eligible for academic licenses. NCDIR will provide the supporting documents for the same. Hence all licenses should be in the name of NCDIR, Bengaluru.
6. The Bidder should have been in this business for a period not less than five years as on 31.12.2019.
7. The Bidder should not have been blacklisted by any of the Government agencies for any corrupt or fraudulent practices and he shall give a declaration to that effect.
8. The Bidder must have a turnover of Rs 1 Crore, in at least two of the last three Financial Years ending on 31.03.2019.
9. The Services offered by the Bidder should have ISO Certification.
10. The Bidder should be ready with the deliverables (hardware and software environment) within 7 working days from the date of purchase order.
11. The Software licence keys should be given to NCDIR during the Installation.

12. If any complaint is lodged by NCDIR the same must be attended to and resolved within four hours.

13. NCDIR reserves the right to purchases of additional resources during the time of purchase order or later.

2. Scope of Services:

- a) The tenders shall be submitted as per the technical specifications (Annexure – I)
- b) Submission of the tender implies that these conditions of tender have been read by the bidders and they are aware of the scope of the services. The final acceptance of the tender rests with the Director, NCDIR, Bengaluru who reserves the right to accept or reject any or all tenders without assigning any reason therefor.

3. Submission of Bids:

Only physical bids received by NCDIR, Bengaluru office will be considered for opening. Bids sent through fax or email will not be considered.

The tender should be submitted in a sealed cover in two parts as under

- a) **Technical Bid:** Envelope should be super-scribed as "Technical bid for Supply, Installation, Commissioning and Testing of Servers and Components". It should contain the Tender Fee, Earnest Money Deposit (EMD) and all details as mentioned in Technical Bid [Annexure – I].
- b) **Financial Bid:** The second envelope should be super-scribed as "Financial bid for Supply, Installation, Commissioning and Testing of Servers and Components" and it should contain the rates etc. as per Financial bid [Annexure III]
- c) Both the above sealed covers are to be put in one bigger envelope which also should be sealed and duly super scribed.

4. Validity of Tender:

- a) The tender shall be valid for a period of one year from the date of opening of the tender.
- b) Bidder for any reason whatsoever withdraws the tender after it is accepted or becomes unable or fails to
- c) Execute the orders within stipulated delivery period, NCDIR shall be at liberty to cancel the order forthwith and the EMD of the tender in such a case will be forfeited by the NCDIR.
- d) No representation for the enhancement of the prices of the accepted tender or alteration of the terms and conditions will be entertained till under any circumstances.

5. Time for Completion :

The work of supply, installation, commissioning and testing of servers and components for NCDIR, Bengaluru shall be virtually completed within the 45 days after issuing of the work order.

6. Warranty:

There shall be a comprehensive warranty of 5 year in respect of the work of supply, installation, commissioning and testing of servers and components for NCDIR, Bengaluru.

7. Offers ready stock / Subject to prior sale:

- a) Offers from ready stock are preferred. In case the offers are subject to prior orders, the Bidders shall indicate the period within which the ordered quantity will be supplied. The Bidders shall note that in case Bidder fails to supply within the period of delivery indicated in the said tender, penalty at the rate of 1% of value of the order, per week of delay subject to maximum of 20% of the order value will be levied.
- b) The successful Bidder shall, within 5 working days from the date of receipt of communication of acceptance of quotes from NCDIR shall intimate his acceptance of the order. The successful Bidder shall complete supplies strictly as per the accepted delivery period.

8. Price Applicability

- a) The price shall be firm and shall include all applicable taxes and charges. Any variation in the duties, levies etc. during the period of services shall be charged to the bidder account. The rates quoted shall be all inclusive, with the delivery, up to destination i.e. NCDIR, Bengaluru
- b) The Bidders shall submit the copy of PAN Card, GST Number and TIN Number registration details along with the tender.

9. Standards:

The goods supplied under the contract shall conform to the standards mentioned in the Technical Specifications.

10. Patent Rights

The Bidder shall indemnify the Purchaser against all third-party actions/claims of infringement of patent, trademark or industrial design rights arising from the use of goods or any part thereof.

11. Payment:

- a) The payment will be made through NEFT by NCDIR to the bank account as mentioned in the bank mandate. The bidder shall submit the documents which shall clearly indicate that the Supply, Installation, Commissioning and Testing of Servers and Components are done and said document shall be duly acknowledged by the Administration of NCDIR.

12. Tender Fee and Earnest Money Deposit (EMD):

Tender Fee: The cost of tender document is **Rs.500/-** (Rupees Five Hundred only) (Non-refundable). The tender document can be obtained by paying the fees through Demand Draft / Bankers Cheque drawn in favour of “The Director, NCDIR payable at Bengaluru”. The cost of tender document shall be attached with Technical Bid in case the tender document is downloaded from the website. The Tender Document is not transferable to any other bidder.

Earnest Money Deposit (EMD):

- a) The units registered with Central Purchase Organization (DGS&D), National Small Industries Corporation (NSIC), Micro and Small Enterprises (MSEs) as defined in MSE Procurement policy issued by Dept. of Micro, Small and Medium Enterprises or

the concerned Ministry or Department shall be exempted from the payment of Earnest Money as defined under Rule 170 of General Financial Rules (GFR), 2017. In such case, copy of the certificate showing registration with the above mentioned institutions shall be enclosed along with the Technical bid.

- b) In case the unit is not covered as above, the bidder submit the Technical Bid along with Earnest Money Deposit of **Rs.1,50,000/-** (Rupees One Lakh fifty thousand only) in the form of demand draft drawn in favour of Director, NCDIR Bengaluru may be submitted, failing which the bids will not be considered valid. The amount will be refunded to unsuccessful bidder without any interest after completion of the tender process. The EMD should remain valid for a period of 45 days beyond the final tender validity period.

Note: The EMD will be forfeited in following cases:

- a) If the bidder fails to accept the order based on his/her offer (bid) and within the prescribed time.
- b) If the bidder fails to supply the material with technical specifications in compliance with the specification as mentioned in Annexure -I.
- c) If the bidder delays supply resulting in disruption of NCDIR works.

13. Service Facility:

In order to ensure proper and timely after sales service, contact details with addresses of service centre nearest to Bengaluru shall be provided along with the bid.

14. Taxes:

Bidders shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser.

15. Sub-Letting:

The Bidder shall not assign or transfer and sub-contract its interest/ obligations under the contract without prior written permission of the Purchaser.

16. Arbitration

- a) In the event of any dispute arising between Purchaser and the Suppliers in any matter covered by this contract or arising directly or indirectly there from or connected or concerned with the said contract in any manner of the implementation of any terms and conditions of the said contract, the matter shall be referred to 'The Director, NCDIR, Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli, N.H-7, B. B. Road, Kannamangala Post, Bengaluru-562 110 (India), who may himself act as sole arbitrator or may name as sole arbitrator an officer of NCDIR notwithstanding the fact that such officer has been directly or indirectly associated with this contract and the provisions of the Indian Arbitration Conciliation Act, 1996 shall apply to such arbitration. The contractor expressly agrees that the arbitration proceedings shall be held in Bangalore.
- b) The proceedings of arbitration shall be in English language:

- c) In case any Bidder wants to take the dispute to a court of law after arbitration award as aforesaid, it is clearly understood that only courts in Bangalore shall have the Jurisdiction.

17. Risk Purchase

In the event of Supplier's failure to execute the contract to the satisfaction of the purchaser, the purchaser reserves the right:

- a) To reject any part of the Contract executed and withhold payment for such portion of the Contract till such time the defects are rectified to the satisfaction of the purchaser.
- b) To terminate the Contract by giving 2 weeks' notice in writing without assigning any reason and to get the Contract executed by other agency at the risk and cost of the Bidder.

18. Applicable Laws

- a) This contract shall be interpreted, construed and governed by the laws of the Republic of India and the parties hereby submit to the exclusive jurisdiction of the Court at Bangalore and to all Courts at Bangalore having jurisdiction in appeal there from. Any dispute in relation to the contract shall be submitted to the appropriate Court of the Republic of India for determination. The parties to the contract shall continue to fulfil their respective obligations under the contract during the currency of the contract pending the final decision of the Court.

19. Performance Security

- a) The successful bidder shall deposit an amount equal to 10% of the approved tender cost within 2 weeks of conveying NCDIR's intention for accepting the bid as Performance Security.
- b) To ensure performance of the contract, Performance Security is to be obtained from the successful bidder awarded the contract. Unlike contracts of Works and Plants, in case of contracts for goods, the need for the Performance Security depends on the market conditions and commercial practice for the particular kind of goods.
- c) Performance Security should be for an amount of five to ten per cent. of the value of the contract as specified in the bid documents. Performance Security may be furnished in the form of an Account Payee Demand Draft and the Pro-forma provided in Annexure VIII of the bid document cheque drawn in favour of Director, NCDIR, Bengaluru
- d) Fixed Deposit Receipt from a Commercial bank, and Bank Guarantee from a Commercial bank or online payment in an acceptable form safeguarding the purchaser's interest in all respects.
- e) Performance Security will be discharged after completion of bidder's performance obligations under the contract.
- f) Performance Security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.
- g) Bid security should be refunded to the successful bidder on receipt of Performance Security.

20. Add On/Repeat Order

- a) NCDIR, reserves the right to place Add on/Repeat order for additional quantity to 100% of the original quantity at the same rate and terms & conditions of the purchase order within six months from the date of issue of purchase order.

We confirm our acceptance to the Commercial & General Terms & Conditions Sl. No. 1 to 19 as given above.

Date:

Name, Signature and Seal of Bidder

ANNEXURE – I
TECHNICAL BID towards Supply, Installation, Commissioning and Testing of Servers and Components

Storage system (SAN): 1 Number.

- **Storage System:** Storage system should be configured in Dual active-active redundant configuration supporting NL-SAS & SAS drives on same controller. Controller should support expandability of up to 100 TB using NL-SAS drive.
- **Capacity:** 30 TB Usable Storage Capacity (in RAID 5 Configuration) using 6TB @ 7.2K RPM, 12Gbps or higher NL SAS Enterprise class drives with minimum 20% of total number of hard drives failure tolerance (E.g. system should be tolerated from 20 drives failure in case the setup has 100 drives). The drives should also have hot swap capability with two global hot-spare drives of same capacity per LUN in every enclosure.
- Each Controller should be configured with at least two 16Gbps or higher FC ports for servers/SAN switch connectivity.
- **Cache:** Min. 4GB Cache per controller with battery backup/equivalent mechanism to protect the Cache in case of power failure.
- **RAID SUPPORT:** Should support RAID levels 0, 1,10,5,50,6.
- **Chassis:** 19” Rack mountable chassis, with Dual Redundant Hot Swap Redundant Power Supply * Hot Swap Cooling Fans with all necessary cables & Accessories to connect storage system to fibre switch/servers.
- **Other Features:** No single point of failure, On-line firm ware upgrades & remote diagnostic support. Block based Remote replication in both SYNC and ASYNC modes. Storage must be complied with VMware/Zen API/KVM/Microscope Hyper – V for Array Integration.
- **Management Software:** GUI and WEB based remote management; should be capable to create, allocate, expand & move volumes dynamically; support for the following features: Dynamic LUN expansion, Mapping of LUNS to VMs and vice versa, Discovery and monitoring of VMs, Role based access, auditing of logs, SNMP & Email alerts.
- **Optional** – *Should be able to manage other storage systems of the same class and make. Bundled software (The management software should be provided with necessary license and for full capacity): point- in Time Copy; Clone: Online Volume Migration, Multipath, Thin Provisioning. **It is mandatory for the firms to quote the rates for the above optional item.***
- **OS Support:** Should simultaneously support Linux, Windows, Unix and open source operating system (64-bit versions)
- **Warranty:** Five year Comprehensive onsite/parts/labour warranty support.
- **Drivers/ Accessories** - Required drives and cables to be provided.

SAN switch: 1 Number

- **Port Configuration** - 8 or more number of 16Gbps FC ports. All ports on the supplied FC SAN switch must be licensed and fully populated with fibre modules from day one. Cables necessary for end to end network connectivity should be quoted and provided.
- **Management** – Web – based management interface, Offered Switch shall have support to configure the switches with alerts based on threshold values for temperature, fan status, power supply status, port status.
- Integral Ethernet port management and communication.
- The switch should be rack mountable.
- Non – disruptive Microcode / firmware upgrades and hot code activation.
- **Security** – Switch access password protection.
- **Power and Cooling** – The switch must have redundant power supply and fan modules.
- **Warranty** - Five year Comprehensive onsite/parts/labour warranty support.
- **Drivers/ Accessories** - Required drives and cables to be provided.

Server: 2 Numbers.

Mention Make and Model
Processors	2x 2 nd Generation Intel Xeon Scalable Processor or 2 nd Generation AMD EPYC (Rome) Processor with 16 Cores, 3.0GHz or better.
Motherboard/ Chipset	Dual socket Server Class Motherboard and Chipset
RAM	Minimum 192 GB DDR4 2666MHz registered ECC DIMMs in balanced mode. Every CPU with in the server should have identical memory configuration.
HDD	2Nos of SAS/SSD 12Gbps with minimum 256GB or higher
Optical Drive	DVD ROM drive
SAS Controller	On board supporting RAID 0/1
NIC	Minimum 2 Nos. On-board 1Gbps Network ports, 2Nos of 10SFP+ to be provided, both 10G SFP+ ports to be merged to provide 20Gbps, to be Connected to Core Switch.

Form Factor	1U with Redundant Hot Swap Power supply to sustain above configuration and future up gradation and min. 5 Hot Swap Drive bays for HDD, 19” Rack-mount server with tool-less chassis and with Rack mount kit with Sliding rails and accessories for tool-less mounting in 4-post rack. Redundant, fully populated hot plug fans.
HBA Card	Dual port 16Gbps FC card with all necessary accessories.
Management Port	Minimum 1Gbps Dedicated Ethernet Management port. IPMI and remote KVM Media Support. 1Gbps Ethernet Management port and Controller with necessary software and license for FULL remote management functionally – IPMI 2.0 complaint with FULL remote KVM and media redirection support.
Certification	Certified for Windows Server 2019 or latest, Windows 2016 standard and Data centre Editions, Redhat Enterprise, VMWare, OpenSUSE, Hyper-V, KVM, Support for Windows & Linux OS (64 Bit) and Certification for both 64bit OS, Server should also support minimum two (most popular) open server OS.
Drivers/ Accessories	Required drives and cables to be provided.
Warranty	Five year Comprehensive onsite/parts/labour warranty support
Virtualization/ OS Software License	The two servers in this tender document should be configured the High – Availability & Failover mode. Both the server/hosts will run. VMs which will live migrate to the other server on failure of one serve/host.
<p>The proposed virtualization software system should support minimum 4 sockets/ 64 cores with management, fail-over, live virtual machine migration, Resources allocation. All necessary licences for the period of 5 years The Virtualization software should be minimum of 10 VMs. Academic licences to be provided.</p>	
<u>Storage: 1 Number.</u>	
Processors	2 x Intel or AMD Processor with minimum 8 Cores, 2.10 GHz, 20 MB Cache or better
Chipset	Dual processors capable Motherboard
Slots	2 or more PCI – Express 3.0 slots with at least one slot free
RAM	Minimum 96GB registered ECC DIMMs in balanced mode DDR4 2666 MHz.
Memory slots	Minimum 24, 12 DIMMs per CPU

HDD	150TB usable capacity (in RAID 5), using minimum of 10TB SATA III/ NL-SAS/SAS 12Gbps Hot-plug Enterprises 3.5” Hard Disk Drive expandable up to 300TB. The system should survive a minimum of 20% of total number of hard drives failure (E.g system should tolerate 20 drives failure in case the setup has 100 drives). There should be at least two hot-spare HDDs per LUN, per enclosure.
Ports	4 or more USB 3.0 Ports, 12Gbps external SAS ports for expanding storage via external enclosures.
Power supply	Platinum efficiency (90%), Dual Redundant SUITABLE Hot-Plug/ hot-swap Redundant Power supply (1200 Watts or Higher).
Chassis	19” Rack – mount server with tool-less chassis and with Rack mount kit with Sliding rails and accessories for tool-less mounting in 4-post rack. Redundant, fully populated hot plug fans.
Network card	2Nos of 10G SFP+ to be connected to Core switch.
Management	Dedicated OEM Management Controller, software and necessary licences for system & FULL remote management functionality – IPMI 2.0 compliant with FULL remote KVM and media redirection support.
Compliance	RoHS, Energy Star 5.0, IPMI
Certification	Machine should be compatible with Linux OS.
Warranty	Five years Comprehensive onsite/parts/labour warranty support
Drivers/ Accessories	Required drives and cables to be provided.
 <u>Server Rack: 1 Number</u>	
Capacity	42 U Server Rack
Size	Standard 19” wide and 42U height
Doors	Single front Door and dual Rear Doors with perforation for ease of front to back air flow
Side Doors	Side doors should be removable
Security	All the doors front, back and side should be lockable. Locks and keys to be provided



Dimension	600mm (W) x 1200mm (D) x 2000 mm (H)
PDU	2 x No's of 32 amps PDU with Minimum 20 x C13 sockets and 2 x C19 sockets. Should be compatible with the quoted hardware PDU should occupy zero space. It should have 32 amps circuit breaker.
Warranty	Five year Comprehensive onsite/ parts/ labour warranty support.
Installation	Vendor is responsible for installation and connection of PDUs to existing UPS.
Accessories	Required Accessories and cables to be provided.

ADDITIONAL SPECIFICATION:

Provide BTU and Power rating of the quoted hardware. Provide details of heat dissipation and cooling requirements

1. Provide BTU, Power rating and cooling requirements of the quoted hardware.
2. All licences should be registered in the name of NCDIR and the relevant documents and credentials should be handed over.
3. The above items will be purchased as a whole or part. The decision will rest with NCDIR.

SCOPE OF WORK:

The Successful Bidder will provide the following services:

- a) Supply & Testing the services
- b) Installation (Hardware/Software)
- c) After Sales Service during warranty and Annual Maintenance period

Date:

Name, Signature and Seal of Bidder

ANNEXURE – II
AGREED TERMS AND CONDITIONS

(TO BE FILLED BY INDIAN BIDDERS QUOTING ONLY IN INDIAN RUPEES)

Important Notes:

- a) This questionnaire (ATC) duly filled in the same word file must be submitted along with the offer, failing which your offer will be liable for rejection. This document received in any other form will not be accepted and can lead to rejection of offer.
- b) Each point must be confirmed / replied to suitably.
- c) Bidders to note that the confirmation/acceptance/comments mentioned/agreed by them in this ATC are final and will supersede any contrary term indicated elsewhere in their quotation / tender documents.

NCDIR'S Tender No: NCDIR/ICMR/Server/194/2018/

Sl. No	Description/Tender Requirement	Vendor's Reply
	Vendor Compliance to Technical Conditions	
1	Confirm that the offer has been submitted strictly as per the tender requirements.	
2	Confirm that all pages of "Technical Specifications" have been submitted with the technical bid as a token of acceptance	
3	Confirm that all the documents related to "Technical Criteria for acceptance of offer" have been submitted with the technical bid.	
4	Confirm that there is no technical deviation and specification of offered product is same as per tender specification	
	Vendor Compliance to Commercial Conditions	
1	Confirm that we are a OEM OR Authorized dealer of Local Server. In case of authorized dealer of Local Server submit authorization letter along with your bid	
2	Confirm that the quoted prices are in Indian Rupees	
3	Confirm that the Prices shall be FIRM and FIXED till complete execution of order and shall not be subject to variation on any account	
4	Confirm unconditionally that your quotation is valid for acceptance up to 1 year from the closing date of this enquiry	
5	Please note that Packaging & Forwarding charges or any other charges should be included in Price Bid. The total price of all items put together will be considered for price evaluation.	
6	Please confirm that your firm have not been banned or delisted by any Government or Quasi Government agencies or PSUs. This is not necessarily a cause for disqualification. However if this declaration is not furnished the bid may be rejected as nonresponsive.	
7	If your response to point no. 7 above is "Banned/Delisted", please provide details of such banning / delisting such as (i) Banned / Delisted by (Name of Co.) and (ii) Validity of such delisting / banning.	

8	Confirm unconditional acceptance that any bidder making a false claim would have its contract terminated forthwith, if detected later.	
9	Confirm that you shall supply the requisite operation/maintenance manual with the equipment.	
10	Please also confirm that spare parts shall be made available as and when required for a minimum period of 7 years from the date of successful completion of warranty period.	
11	Confirm unconditional acceptance Confirm unconditional acceptance of comprehensive warranty (inclusive of absolutely free of charge delivery (all expenses paid) at our site and installation of replacement parts/spares and free of all expenses related to such service calls) for a period of clear 12 months or more from the date of satisfactory completion of onsite installation, commissioning and training at our location	
12	<p>Confirm whether your firm is registered with any of the following in order to avail the benefits/preference available vide Public Procurement Policy MSEs Order, 2012. a) District Industries Centres (DIC) b) Khadi and Village Industries Commission (KVIC) c) Khadi and Village Industries Board d) Coir Board e) National Small Industries Corporation (NSIC) f) Directorate of Handicraft and Handloom g) Any other body specified by Ministry of MSME If Yes, then please mention with whom your firm is registered with as MSE and the proof for the same may be attached</p> <p>NOTE: Benefits/Preference available to Micro & Small Enterprises (MSEs) is applicable to “Producer/Manufacturer” of the tendered items only”</p>	
13	The bidder is requested to advise whether they have a rate contract for the quoted items with GeM and if so whether the same could be extended to NCDIR.	

Date:

Name, Signature and Seal of Bidder

National Centre for Disease Informatics and Research, Bengaluru
Indian Council of Medical Research

ANNEXURE – III

Financial Bid: towards Supply, Installation, Commissioning and Testing of Servers and Components

Sl. No	Particulars	Qty.	Rate Per Qty.	GST	Total
1	<p>Storage system (SAN)</p> <ul style="list-style-type: none"> • Storage System: Storage system should be configured in Dual active-active redundant configuration supporting NL-SAS & SAS drives on same controller. Controller should support expandability of up to 100 TB using NL-SAS drive. • Capacity: 30 TB Usable Storage Capacity (in RAID 5 Configuration) using 6TB @ 7.2K RPM, 12 Gbps or higher NL SAS Enterprise class drives with minimum 20% of total number of hard drives failure tolerance (E.g. system should be tolerated from 20 drives failure in case the setup has 100 drives). The drives should also have hot swap capability with two global hot-spare drives of same capacity per LUN in every enclosure. • Each Controller should be configured with at least two 16 Gbps or higher FC ports for servers/SAN switch connectivity. • Cache: Min. 4GB Cache per controller with battery backup/equivalent mechanism to protect the Cache in case of power failure. • RAID SUPPORT: Should support RAID levels 0, 1,10,5,50,6. • Chassis: 19” Rack mountable chassis, with Dual Redundant Hot Swap Redundant Power Supply * Hot Swap Cooling Fans with all necessary cables & Accessories to connect storage system to fibre switch/servers. • Other Features: No single point of failure, On-line firm ware upgrades & remote diagnostic support. Block based Remote replication in both SYNC and ASYNC modes. Storage must be complied with VMware/Zen API/KVM/Microscope Hyper – V for Array Integration. • Management Software: GUI and WEB based remote management; should be capable to create, allocate, expand & move volumes dynamically; support for the following features: Dynamic LUN expansion, Mapping of LUNS to VMs and vice versa, Discovery and monitoring of VMs, Role based access, auditing of logs, SNMP & Email alerts. 	1 No			

	<ul style="list-style-type: none"> • Optional – Should be able to manage other storage systems of the same class and make. Bundled software (The management software should be provided with necessary license and for full capacity): point- in Time Copy; Clone; Online Volume Migration, Multipath, Thin Provisioning. It is mandatory for the firms to quote the rates for the above optional item. • OS Support: Should simultaneously support Linux, Windows, Unix and open source operating system (64-bit versions) • Warranty: Five year Comprehensive onsite/parts/labour warranty support. • Drivers/ Accessories - Required drives and cables to be provided. 				
2.	<p>Server</p> <ul style="list-style-type: none"> • Processors 2x 2nd Generation Intel Xeon Scalable Processor or 2nd Generation AMD EPYC (Rome) Processor with 16 Cores, 3.0GHz or better. • Motherboard/ Chipset Dual socket Server Class Motherboard and Chipset • RAM Minimum 192 GB DDR4 2666MHz registered ECC DIMMs in balanced mode. Every CPU with in the server should have identical memory configuration. • HDD 2Nos of SAS/SSD 12 Gbps with minimum 256GB or higher • Optical Drive DVD ROM drive • SAS Controller On board supporting RAID 0/1 • NIC Minimum 2Nos On-board 1Gbps Network ports, 2Nos of 10SFP+ to be provided, both 10G SFP+ ports to be merged to provide 20Gbps, to be Connected to Core Switch. • Form Factor 1U with Redundant Hot Swap Power supply to sustain above configuration and future up gradation and min. 5 Hot Swap Drive bays for HDD, 19” Rack-mount server with tool-less chassis and with Rack mount kit with Sliding rails and accessories for tool-less mounting in 4-post rack. Redundant, fully populated hot plug fans. • HBA Card Dual port 16Gbps FC card with all necessary accessories. 	2Nos			



	<ul style="list-style-type: none"> • Management Port Minimum 1Gbps Dedicated Ethernet Management port. IPMI and remote KVM Media Support. 1Gbps Ethernet Management port and Controller with necessary software and license for FULL remote management functionally – IPMI 2.0 complaint with FULL remote KVM and media redirection support. • Certification Certified for Windows Server 2019 or latest, Windows 2016 standard and Data centre Editions, Redhat Enterprise, VMWare, OpenSUSE, Hyper-V, KVM, Support for Windows & Linux OS (64 Bit) and Certification for both 64bit OS, Server should also support minimum two (most popular) open server OS. • Drivers/ Accessories Required drives and cables to be provided. • Warranty Five year Comprehensive onsite/parts/labour warranty support • Virtualization/ OS Software License The two servers in this tender document should be configured the high – Availability & Failover mode. Both the server/hosts will run. VMs which will live migrate to the other server on failure of one serve/host. <p><i>The proposed virtualization software system should support minimum 4 sockets/ 64 cores with management, fail-over, live virtual machine migration, Resources allocation. All necessary licences for the period of 5 years The Virtualization software should support minimum of 10 VMs. Academic licences to be provided.</i></p>			
3.	<p>Storage:</p> <p>Processors</p> <ul style="list-style-type: none"> • 2 x Intel or AMD Processor with minimum 8 Cores, 2.10 GHz, 20 MB Cache or better <p>Chipset</p> <ul style="list-style-type: none"> • Dual processors capable Motherboard <p>Slots</p> <ul style="list-style-type: none"> • 2 or more PCI – Express 3.0 slots with at least one slot free <p>RAM</p> <ul style="list-style-type: none"> • Minimum 96GB registered ECC DIMMs in balanced mode DDR4 2666 MHz. <p>Memory slots</p> <ul style="list-style-type: none"> • Minimum 24, 12 DIMMs per CPU <p>HDD</p> <ul style="list-style-type: none"> • 150TB usable capacity (in RAID 5), using minimum of 10TB SATA III/ NL-SAS/SAS 12 Gbps Hot-plug Enterprises 3.5” Hard Disk Drive expandable upto 300TB. The system should survive a minimum of 20% of total number of hard drives failure (E.g system should tolerate 20 drives failure in 	1No.		



	<p>case the setup has 100 drives). There should be at least two hot-spare HDDs per LUN, per enclosure.</p> <p>Ports</p> <ul style="list-style-type: none"> 4 or more USB 3.0 Ports, 12 Gbps external SAS ports for expanding storage via external enclosures. <p>Power supply</p> <ul style="list-style-type: none"> Platinum efficiency (90%), Dual Redundant SUITABLE Hot-Plug/ hot-swap Redundant Power supply (1200 Watts or Higher) <p>Chassis</p> <ul style="list-style-type: none"> 19” Rack – mount server with tool-less chassis and with Rack mount kit with Sliding rails and accessories for tool-less mounting in 4-post rack. Redundant, fully populated hot plug fans. <p>Network card</p> <ul style="list-style-type: none"> 2Nos of 10G SFP+ to be connected to Core switch. <p>Management</p> <ul style="list-style-type: none"> Dedicated OEM Management Controller, software and necessary licences for system & FULL remote management functionality – IPMI 2.0 compliant with FULL remote KVM and media redirection support. <p>Compliance</p> <ul style="list-style-type: none"> RoHS, Energy Star 5.0, IPMI <p>Certification</p> <ul style="list-style-type: none"> Machine should be compatible with Linux OS. <p>Warranty</p> <ul style="list-style-type: none"> Five years Comprehensive onsite/parts/labour warranty support <p>Drivers/ Accessories</p> <ul style="list-style-type: none"> Required drives and cables to be provided. 				
<p>4.</p>	<p>Server Rack:</p> <p>Capacity</p> <ul style="list-style-type: none"> 42 U Server Rack <p>Size</p> <ul style="list-style-type: none"> Standard 19” wide and 42U height <p>Doors</p> <ul style="list-style-type: none"> Single front Door and dual Rear Doors with perforation for ease of front to back air flow <p>Side Doors</p> <ul style="list-style-type: none"> Side doors should be removable <p>Security</p> <ul style="list-style-type: none"> All the doors front, back and side should be lockable. Locks and keys to be provided <p>Dimension</p> <ul style="list-style-type: none"> 600mm (W) x 1200mm (D) x 2000 mm (H) <p>PDU</p> <ul style="list-style-type: none"> 2 x No’s of 32 amps PDU with Minimum 20 x C13 sockets and 2 x C19 sockets. 	<p>1No.</p>			



	<p>Should be compatible with the quoted hardware PDU should occupy zero space.</p> <ul style="list-style-type: none">• It should have 32 amps circuit breaker. <p>Warranty</p> <ul style="list-style-type: none">• Five year Comprehensive onsite/ parts/ labour warranty support. <p>Installation</p> <ul style="list-style-type: none">• Vendor is responsible for installation and connection of PDUs to existing UPS. <p>Accessories</p> <ul style="list-style-type: none">• Required Accessories and cables to be provided.				
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Date:

Name, Signature and Seal of Bidder

ANNEXURE – V on the Letterhead of the Vendor/Bidder/Supplier Details

Date:

To

The Director,
 National Centre for Disease Informatics and Research (ICMR)
 Nirmal Bhawan-ICMR Complex (II Floor), Poojanahalli,
 Off N.H. –7, Adjacent to Trumpet Flyover of BIAL
 Kannamangala Post, Bengaluru – 562 110

Dear Sir,

We hereby give our consent to accept the related payments of our claims/bills on NCDIR through Cheques or Internet based online E-Payments system at the sole discretion of NCDIR. Our Bank account details for the said purpose are as under:

<u>A. Vendor Details</u>	
1. Name (As per the Bank Records)	
2. Address	
3. PAN No.	
4. TIN No.	
5. CST No	
6. Email ID	
7. Mobile Number	
<u>B. Particulars of Bank Account:</u>	
1. Bank Name	
2. Branch Name/Branch Code	
3. Branch Address	
4. 9 Digit MICR No. of Bank and Branch (As appearing on the cheque)	
5. Account Type (Saving/Cash credit/ Current)	
6. Account Number (as appearing on the cheque book)	
7. IFSC Code of the Branch (For RTGS)	
8. IFSC Code of the Branch (For NEFT)	

***(please attach a blank copy of a cancelled cheque/photocopy of a cancelled cheque issued by your Bank related to the above account number for verifying the accuracy of the 9 digit MICR code number.

I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected to all for reasons of incomplete or incorrect information, I would not hold the user Institution responsible.

Date:

Signature/Seal of Firm

Phone No:

Certified that the particulars furnished above are correct as per our records

Date:

Company's Authorized Signatory

Phone No:

Encl: Photocopy of cheque duly cancelled and copy of Indian PAN Card

ANNEXURE – VI

(Undertaking from Bidders)

To

The Director,
National Centre for Disease Informatics and Research (ICMR)
NirmalBhawan-ICMR Complex (II Floor),
Poojanahalli Off N.H. -7, Adjacent to Trumpet Flyover of BIAL
Kannamangala Post, Bengaluru – 562 110

Sir,

Nature of Goods/Equipment's/ Services	Supply, Installation, Commissioning and Testing of Servers and Components for NCDIR, Bengaluru
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Having examined and perused the following documents:

1. Notice Inviting Tender
2. Instruction to the Bidder
3. Commercial General Terms & Conditions
4. Technical Specifications of items (Annexure – I) for which tender is issued
5. Price Bid

I/Wedo hereby submit tender in prescribed formats for Supply, Installation, Testing and Commissioning of Servers and Components to NCDIR, Bengaluru, completed in all respects in accordance with the conditions applicable.

If this tender is accepted, I/We agree to abide by and fulfil all the terms and conditions in the tender documents

I/We hereby distinctly and expressly declare and acknowledge that before submission of this tender, I/We have carefully read and followed the instructions and I/We have understood the existing system of supply in the NCDIR, including the scope and nature of duties expected from the Bidder.

I/We distinctly agree that I/We would hereafter make no claim or demand upon the NCDIR, Bengaluru based upon or arising out of any alleged misunderstanding or misconceptions or mistake on my/our part of the said stipulations, restrictions and conditions.

Any notice required to be served on me/us shall be sufficiently served on me/us by post (registered or ordinary) or courier or left at my/our address furnished herein. I/We fully understand the terms and conditions in the tender documents.

Date:

Name, signature & seal of the bidder

ANNEXURE – VII

TENDER FEE & EARNEST MONEY DEPOSIT PAYMENT PARTICULARS

Number of Demand Drafts enclosed:

Demand Draft particulars:

Sl. No.	D. D. No.	Date	Name of the Bank / Branch and Place	Amount
1.				
2.				
3.				

I / We, hereby declare that the particulars furnished by me/us in this offer are true to the best of my/our knowledge and I/We understand and accept that, if at any stage the information furnished by me/us are found to be incorrect or false, I/We am/are liable for disqualification from this tender and also liable for any penal action that may arise due to the above, besides being black listed.

Signature :

Name :

Designation :

Name of the Agency:

Address of the Bidder:

Phone No & Mob. No. :

Email Address :

Website Address (if any):

Date :



ANNEXURE – VIII

PERFORMANCE SECURITY BOND FORM

1. In consideration of National Centre for Disease Informatics and Research (ICMR) Bengaluru (here in after called the NCDIR Bengaluru) having agreed to exempt _____ (here in after called the said Bidder(s) from the demand of security deposit/earnest money of Rs., _____ on production of Bank Guarantee for Rs. _____ For the due fulfilment by the said Bidders of the terms & conditions to be contained in an Agreement in connection with the Bidders for supply, installation, commissioning and testing of Servers and Components for National Centre for Disease Informatics and Research (ICMR) Bengaluru. _____ we, (name of the Bank) _____ (herein after referred to as “the Bank”) at the request of _____ Bidders do hereby undertake to pay the NCDIR Bengaluru an amount of not exceeding _____, against any loss or damage caused to or suffered or would be caused to or suffered by the NCDIR Bengaluru reason of any breach by the said Bidders of any of the terms & conditions contained in the said agreement.
2. We (Name of the Bank) _____ do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the NCDIR Bengaluru stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the NCDIR Bengaluru reason of breach by the said Bidders of any of terms & conditions contained in the said agreement or by reason of the Bidders failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee, where the decision of the NCDIR Bengaluru in these counts shall be final and binding on the Bank. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.
3. We undertake to pay to the NCDIR Bengaluru any money so demanded not withstanding any disputes raised by the Bidder(s)/supplier(s) in any suit or proceeding pending before any court or tribunal relating thereto our liability under the present being absolute and equivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the Bidder(s)/ supplier(s) shall have no claim against us for making such payment.
4. We (Name of the bank) _____ further agree that the guarantee herein contained shall remain in full force and effect immediately for a period of one year from date herein and further agrees to extend the same from time to time (one year after) so that it shall continue to be enforceable till all the dues of the NCDIR Bengaluru, under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till NCDIR Bengaluru certifies that the terms & conditions of the said agreement have been fully and properly carried out by the said Bidder(s) and accordingly discharges guarantee.
5. We (name of the bank) further agree with the NCDIR Bengaluru that the NCDIR Bengaluru shall have the fullest liberty without our consent and without affecting in any manner our obligations here under to vary and of the terms & condition of said agreement or to extend time of performance by

the said contactor(s) from time to time or to postpone for any time to time any of the powers exercisable by the NCDIR Bengaluru against the said any Bidder(s) and to forbear or enforce any of the terms & conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Bidder(s) or for any forbearance, and or any omission on the part of the NCDIR Bengaluru or any indulgence by the NCDIR Bengaluru to the said Bidder(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. The guarantee will not be discharged due to the change in the constitution of the Bank or the Bidder(s)/ supplier(s).

7. This guarantee shall be irrevocable and the obligations of the Bank herein shall not be conditional to any prior notice by NCDIR Bengaluru.

Dated: _____

For

(Indicating the name of the bank)

Note: This guarantee should be issued on non-judicial stamped paper, stamped in accordance with the stamp act.



ANNEXURE – IX

DECLARATION

I/We having our office as mentioned below and declare that I/we have never been blacklisted by any State Government/Central Government or any State/Central PSU.

Signature :

Name :

Designation :

Name of the Agency:

Address of the Bidder:

Date :

Place :

ANNEXURE – X

TURN OVER DETAILS

As per the tender eligibility criteria, The SP must have a turnover of Rs. 1 Crore, at least two of the last three Financial Years ending on 31.03.2019. These turnover details will have to be substantiated with the appropriate documentary evidences duly enclosed.

The last three years' sales turn-over details are furnished as follows.

Name of the Company / Firm:

Sl. No.	Financial Year	Turnover (Rs. In Crore)
1	2016-17	
2	2017-18	
3	2018-19	

Proof of the above sales turn-over details should be furnished in the form of Audited Annual Accounts of the bidder.



MANUFACTURERS AUTHORIZATION FORM

ANNEXURE – XI

Ref No:

Dated:

To,
The Director
National Centre for Disease Informatics & Research
Indian Council of Medical Research
Nirmal Bhawan – ICMR Complex (II Floor)
Poojanahalli Off N.H – 7
Adjacent to Trumpet Flyover of
BIAL Kannamangala Post Bengaluru
– 562 110.

Reference: Tender No. dated _____ due on

Dear Sir,

We _____ the Manufacturers of _____
_____ having manufacturing unit at _____

_____ (Address of the factory) do here by
authorize M/s. _____ (Name and Address of dealer) to
submit a bid, and subsequently negotiate and sign the contract with you against the above tender.

We hereby extend our full guarantee, warranty and support and also in meeting warranty obligations by
providing necessary spares in time for the goods & services offered by the above dealer against this
tender.

Yours faithfully

(Name)
(Name of the Manufacturer)

*[Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by
a person competent and having a power of attorney to bind the manufacturer. The bidder in its bid
should include it.]*

CERTIFICATE FOR THE DOCUMENTS DOWNLOADED FROM THE NCDIR,
BENGALURU WEBSITE
ANNEXURE – XII

In case the tender document is downloaded from the website a declaration in the following Performa has to be furnished.

“I (Authorized signatory) hereby declare that the tender document submitted has been downloaded from the website www.ncdirindia.org and no additional/deletion/correction has been made in the Performa downloaded. I also declare that I have enclosed a DD/Bankers Cheque No.....Dated..... for towards the cost of tender document along with technical bid”.

In case at any stage, it is found that the information given above is false/ incorrect, NCDIR Bengaluru shall have the absolute right to take any action as deemed fit/without any prior intimation.

Date:

Name, Signature and Seal of Bidder

[Note: Above declaration should be duly signed and submitted on the letterhead]

CHECKLIST

Part 1.

Sl. No	Particulars	Yes/No
1.	Instructions to the Bidders.	
2.	Commercial and General Terms & Conditions of the Contract	
3.	Technical Bid towards Supply, Installation, Commissioning and Testing of Servers and Components	
4.	Agreed Terms and Conditions	
5.	Financial Bid towards Supply, Installation, Commissioning and Testing of Servers and Components	
6.	List of Organisation and Clients	
7.	Letterhead of the Vendor/Bidder/Supplier Details.	
8.	Undertaking from Bidders	
9.	Tender Fee & Earnest Money Deposit payment particulars	
10.	Performance Security Bond Form	
11.	Declaration	
12.	Turn Over Details	
13.	Manufacturers Authorization Form	
14.	Certificate for the Documents Downloaded From the NCDIR, Bengaluru Website	

Part 2.

Technical Bid towards Supply, Installation, Commissioning and Testing of Servers and Components

Sl. No	Particulars	Make	Model
1.	Storage system (SAN): 1 Number.		
2.	SAN switch: 1 Number		
3.	Server: 2 Numbers.		
4.	Storage: 1 Number.		
5.	Server Rack: 1 Number		