

RFP DOCUMENT FOR SUPPLYING, INSTALLING & COMMISSIONING OF, HYPER CONVERGED SERVER AND STORAGE AND SMART RACK COMPONENTS AT NATIONAL INSTITUTE OF DESIGN

FOR



Last date for submission of queries	:	29-12-2020 up to 6:00 PM
Last date for submission of bid	:	15-01-2021 up to 6:00 PM
Last date for submission of physical documents	:	18-01-2021 up to 3:00 PM
Technical bid opening date & time	:	18-01-2021 at 05.00 PM
Financial bid opening date & time	:	Will be intimated to the technically qualified Bidders

Venue

Purchase Department
National Institute of Design
Opp. Museum
Paldi, Ahmedabad 38007. Gujarat

Note: Please address all queries and correspondence to:

Purchase department
National Institute of Design
Opp. Museum
Paldi
Ahmedabad 38007

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Section – 1

Project Profile

Introduction

National Institute of Design is internationally acclaimed as one of the finest educational and research institutions for Industrial, Communication, Textile and IT Integrated (Experiential) Design. It is an autonomous institution under the aegis of the Ministry of Commerce and Industry, Government of India. **The Act of Parliament, by virtue of the National Institute of Design Act 2014, has declared NID 'Institution of National Importance'.**

It is also recognised by the Department of Scientific and Industrial Research, Government of India as a Scientific and Industrial Research Organisation.

Managing the environmental parameters like operating temperature, humidity and monitoring moisture control within the Server rooms or enclosures are very important, as they are associated with the performance of the IT equipment, which are hosted in the enclosures within the server room or the Data centers.

NID has been an early adaptor of technologies and they have been using Precision cooling equipment which has been installed for a period of 15 years plus. The precision cooling equipment have reached end of life and end of support and now since no support will be offered by the OEM NID is planning to upgrade its cooling and humidification infrastructure to the next level of technology so that it can save on recurring and reduce the carbon foot prints by utilizing less energy.

NID has a Server room with Required Cooling and UPS, which hosts the Core Datacenter, they also have a few set of Storage Systems in their Infrastructure which they intend to incorporate with their additional setup of HCI.

NID is planning to upgrade their Data-Center with Latest Racks having Integrated Cooling and Power Functionalities, they also looking forward to Deploy HCI Setup into their setup and integrate existing storage systems onto the same HCI Setup and this RFP is being floated to select the Bidder who will perform turnkey basis following activities

- Supply of hardware and software related to Smart Rack and HCI Setup along with required accessories for project.
- Commissioning and Installation of the above-mentioned components on Turnkey basis
- Maintenance support for the installed hardware during the Warranty period

Bidder has to supply install, commission and maintain the components as per the specifications mentioned in the technical sectional and any additional items required for the project completions should be considered along with it cost during the offering of the commercials.

NID will not pay anything extra other than the cost mentioned in the commercial bid.

Schedule of proposed project

Sr. No.	PROJECT
1	RFP for supplying, installing & commissioning of hyper converged server and storage and smart rack components at National Institute of Design, Ahmedabad campus the broad scope of works will be as defined above in section of the project profile.

The scope of the above RFP defines the specifications, requirements and Bill of material related to the IT infrastructure required by NID for its current and future requirements.

Completion details:-

It is proposed to complete these works as per the given schedule. The nature of works broadly comprises as mentioned in Section -3 "Scope of Work"

Bidding option for the Bidder:-

The Bidder has to bid for all the components on SITC basis and if the bid is not offered as mentioned then the same will be liable to rejection.

Section -2

Tender notice and information for online bidding

On behalf of NID Purchase department invites online tenders for "**hyper converged server and storage and smart rack components** at National Institute of Design."

2.1 The schedule for e-tendering is as under:

(i)	Tender Document to be downloaded from website https://nprocure.com , www.nid.edu and https://eprocure.gov.in/	Till 15/01/2021 up to 17:30 hours
(ii)	Tender Fees (Nonrefundable) to be submitted to NID in form of Demand Draft/ Banker's Cheque / Pay Order's in favour of " National Institute of Design, Ahmedabad ", payable at Ahmedabad from any Nationalized/Scheduled Bank through registered AD/Speed Post only in sealed cover. Can also be submitted in person along with the Copy of the physical bid in a separate cover.	Rs. 1,500/- (one thousand five hundred) Till 18/01/2021 up to 15:00 Hrs.
(iii)	The Bidder shall furnish, as part of the Bid, EMD shall be submitted in the form of Demand Draft OR Banker's Cheque / Pay Order's in the form of an unconditional Bank Guarantee (which should be valid up to validity of bid + 90 days) of any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Ahmedabad in the name of " National Institute of Design, Ahmedabad. " payable at Ahmedabad as per prescribed format given, and in a separate envelope. The un-priced bid (Technical-bid) will be opened subject to the confirmation of valid EMD and bid processing fees.)	Rs. 2,05,000/- (two lakhs five thousandth only) Till 18/01/2021 up to 15:00 Hrs.
(iv)	Last date of Submission for query thru email or letter. Please note that after the final query submission date no queries by any Bidder will be entertained	29/12/2020 up to 6:00 PM
(v)	Any queries regarding the tender documents may be sent on email to.	purchase@nid.edu , naveen@nid.edu
(vi)	Date of Uploading the responses to the Bidder query on the nprocure , www.nid.edu and https://eprocure.gov.in/ if any	31/12/2020
(vii)	Last date and time for the online Tender submission	15/01/2021 up to 18.00 hours
(viii)	Last date for submission of Physical Tender submission	18/01/2021 up to 15.00 hours
(ix)	Online Opening of Technical bid	18/01/2021 at 17.00 hours



- 2.2 **Downloading Tender Documents:** Tender documents will be available on the website upto the date and time as shown above. Bidders who wish to participate in this tender shall have to register on web site <https://nid.nprocure.com>
- 2.3 **Digital Certificate:** Bidders who wish to participate in online tendering shall have to procure / should have legally valid Digital Certificate (Class III) as per Information Technology Act-2000, using which they can sign their electronic tenders. Bidders can procure the same from any of the licensed certifying Authority of India or can procure from (n) code solutions – a division of GNFC Ltd, who are licensed Certifying Authority by Govt. of India. All tenders shall be digitally signed. For details regarding digital signature certificate and related training the below mentioned addressee shall be contacted. In case bidders need any clarification/assistance or training for participating in online tender, they can contact the following office:
(n) Code solutions, A division of GNFC
301, GNFC Info tower, Bodakdev, Ahmedabad – 380 054 (India)
Tel: + 91 26857316/17/18, Fax: +91 79 26857321,
Mobile: 9327084190, 9925117079; E-mail: nprocure@gnvfc.net
- 2.4 Bidders who already have a valid Digital certificate need not procure new Digital certificate.
- 2.5 **Online Submission of Tender:** Bidders can prepare and add on their bid *n* number of times prior to the last date and time prescribed for tender submission. However, the tender shall not be permitted to be edited in any case after the last date and time prescribed for submission of tender as specified hereunder.
- 2.6 No written or online request in this regard shall be entertained. Bidders shall submit their tender in electronic format only on above mentioned website <https://nid.nprocure.com> and prior to the date and time mentioned above, and each tender shall be digitally signed by the authorized person of the bidder. Tender documents in any other form including in physical form shall not be accepted and the same shall be accepted in the electronic format.
- 2.7 A scan copies of all details as required shall be uploaded in electronic format. During the opening of online technical bid if it is found that above details as mentioned are not submitted in electronic format, tenders of such bidder shall not be considered.
- 2.8 Tender must be submitted as per two bid system (Technical and Financial). Both the bids must be submitted online, giving full particulars on website www.nprocure.com on or before **6.00 PM on 15.01.2021**. Please note that identical **hardcopy of only technical bid along with the Tender fee and EMD in sealed envelope** must be submitted at NID AHMEDABAD's address mentioned in this document on or before **6.00 PM on 18.01.2021**. Bids received after the date and time specified in this tender will not be accepted.
- 2.9 **Financial bid must be submitted online on www.nprocure.com only. Financial bid submitted online only on www.nprocure.com will be considered and if submitted in any other form will be not considered and rejected.** NID AHMEDABAD reserves the right to accept or reject any or all the bids without assigning any reason.
- 2.10 The Technical bid should be complete in all respects and should contain all the information asked for. The technical bid should not contain any financial related rates/bid. The Technical bid should be complete to indicate that products and services asked for are quoted.
- 2.11 The Financial Bid must give all relevant price information and should not contradict the Technical bid in any manner.



- 2.12 Bidder can download the bid document and further amendment, if any for free on [NID website www.nid.edu](http://www.nid.edu) and www.nprocure.com and upload the same on or before last date of submission of tender on www.nprocure.com
- 2.13 Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submits a Bid not substantially responsive to the bidding documents in every respect may result in the rejection of the Bid.
- 2.14 At any time prior to the deadline for submission of bids, NID Ahmedabad, for any reason, whether at its own initiative or in response to the clarifications requested by prospective Bidders may modify the bidding documents by amendment & publish the same on website.
- 2.15 Any amendments/corrigendum/modifications will be notified on www.nid.edu and www.nprocure.com websites only. Bidders are advised to regularly browse These website till last date of submission of tender. These amendments/corrigendum/modifications will be binding on them.
- 2.16 The Bidder shall be deemed to have carefully examined all work-order documents to his entire satisfaction. Any lack of information shall not in any way relieve the Bidder of his responsibility to fulfill his obligation under the work-order.
- 2.17 In case of queries regarding tender documents, the list of queries may be sent through email to: purchase@nid.edu.in **on or before query submission dates. Post the cut off time no queries will be entertained.**
- 2.18 **Opening of Technical tender:** Technical tenders shall be first opened online as per schedule mentioned in tender at Purchase department NID Ahmedabad as per the date and time defined in the header.
- 2.19 Technical bid shall be evaluated as per procedures mentioned in the tender documents. The decision of the committee on evaluation of the bids shall be final and binding to every bidder.
- 2.20 **Opening of Commercial bid:** Commercial bid of only qualified bidder whose technical bid is accepted shall be opened.
- 2.21 Tenders without tender fees, EMD and which do not fulfill all or any of the conditions of tender document shall be rejected outright. Tender with incomplete details in any aspect shall also be rejected.
- 2.22 Conditional tender shall not be accepted.
- 2.23 This tender notice shall form a part of tender document.
- 2.24 Every tendered shall mention his email address in the technical bid.

Section - 3

Scope of Work:

The Scope of the work includes undertaking various supplies and services related to the deployment of various solutions. The details are:

Hyper Converged Server and Storage

The Scope of the Work related to the HCI Server and Storage solutions is as mentioned below:

- OEM/System Integrator shall be responsible to carry out first time installation and commissioning of the supplied HCI solution including supplied hardware/software at NID, Ahmedabad site.
- Bidder shall carry out seamless migration of identified workloads from existing virtualized environment at NID Ahmedabad to the proposed HCI environment. Current environment is on VMware vSphere 6.x with approximately 25 VMs on 6 no. of IBM Flex systems x240 and IBM Storewide v3700 with approximately 24 TB usable storage.

Smart rack

Details of existing infrastructure

Currently

- **03 Nos of 20 KW Precision cooling units of Emerson make** with N+1 redundancy are operational and functional in the Server room.
- The indoor units are installed in the server room
- The outdoor units are installed outside and both of them are connected thru the necessary copper piping
- **02x2 20KVA Numeric UPS** with 1 Hour Battery backup are installed in the UPS room and input power to the UPS and output power to the racks is happening the wall mount electrical panel which is installed in Server room
- **All PDUs** in the rack get power thru the electrical panel and these PDU power the Servers and switches in the racks
- **02 Nos of Server racks** are there which host the core switch, blade servers chassis, SAN and NAS storage
- **03 Nos of Network racks** are there which host the edge switches and jack panels

Scope of Work

The Scope of the Work related to the Smart rack solutions is as mentioned below

- Replacing the existing PAC units with new Rack mountable cooling units along with new racks, environmental monitoring systems and fire suppression systems within the racks on SITC basis as per the specifications
- Migrating the UPS panel connections to the new PDU is that will be installed in the racks. All electrical works needs to be managed by the bidder.
- Migrating all the equipment from old racks to new racks as per the discussion with the bidder post the release of the purchase order.
- Migrating the edge switches and commissioning the same in the new racks

- Supply of CAT6 patch cords as per the specifications
 - Interconnecting the jack panels in the old racks to the switches installed in the new racks thru the supplied patch cords
 - Labelling, Feruling and dressing of the patch cords by installing the same in conduits beneath the riser floor
- 3.2 Bidder will be responsible to undertake and complete the works related to **supply installation and commissioning of services as indicated in the bid.**
- 3.3 The works are to be completed on turnkey basis and the supplied equipment are required to be maintained for three years on comprehensive warranty basis from the date of Final Approval and Testing and accept the work-order. The Bidder shall be responsible for implementation of the work as defined.
- 3.4 **Bidder is required to carry out following tasks.**
Turnkey Project Basis: - The Bidder shall act as single Bidder to organize and manage the entire project – including supply, installation and commissioning of all required hardware, software, networking, accessory items etc.

Warranty and Post-Warranty Support: - The Bidder shall be responsible for the warranty support and for the post warranty support and as required by the NID.

All goods or materials shall be supplied strictly in accordance with the specifications, Drawings, datasheets, other attachments, and conditions stated in the RFP / Agreement / Work-Order. All materials supplied by the Bidder shall be guaranteed to be of the best quality of their respective kinds and shall be free from faulty design, workmanship, and materials.

Section - 4

Bid Pre-Qualification criteria

Bidders desirous of bidding for the project shall fulfill the following prequalification criterions:

Sr. No	Eligibility Criteria	Attachments
a.	The Bidder should be a Firm or Company in the business of providing similar solutions in India.	Relevant registration documents like GST certificate, Gumasta Dhara certificate etc. should be given as a supporting document. In case the firm is a Company than ROC certificate can be given.
b.	Bidder must have successfully completed at least the following numbers of hyper converged server and storage, of value specified herein :	Completion Certificates from the client; OR Work Order + Self Certificate of Completion (Certified by the Statutory Auditor); OR Work Order + Phase Completion Certificate from the client. Details should be uploaded in the format as defined in
	One project of similar nature not less than the amount value equal to 80% of estimated cost for hyper converged server and storage works	
	OR	
	Two projects of similar nature not less than the amount equal value equal to 60% of estimated cost for hyper converged server and storage works	
	OR	
	Three projects of similar nature not less than the amount equal <value equal to 40% of estimated cost> for hyper converged server and storage works	
	For Rack The OEM should have executed intergraded cooling racks. In case the OEM is going to install, commission and maintain the installed and commissioned product the OEM experience related to supply and installation will be counted as experience for the bid being submitted by the bidder. OEM to give specific compliance on the OEM letter head regarding the above clause. Without the letter of the OEM the OEM experience will not be counted.	Work order details for the hyper converged server and storage and smart rack components works done and Bidder should give supporting in terms of Purchase order and Completion certificate highlighting experience of the organization.
	Submittals 01 Purchase order equal to 80% of the Rack project value or 02 Purchase order equal to 60% of the Rack project value or 04 Purchase order equal to 40% of the Rack project value	
c.	The sum of annual turnover of the firm for the last three financial years. (I.e. 2017-2018, 2018-2019, 2019-2020) should be at least INR 15 crores out of which INR 10 Crores should be from the SI activity business (IT Infrastructure and DC-Build). The Bidder should upload the copies of the audited Balance Sheet and Profit & Loss accounts. Extract highlighting the comments of the	Audited and Certified Balance Sheet and Profit/Loss Account of last 3 Financial Years should be enclosed. CA certificate mentioning turnover of the Bidder should be enclosed. Details should be uploaded in the format as defined in ANNEXURE – VI-details of Annual Turnover

Sr. No	Eligibility Criteria	Attachments
	auditor confirming revenue from the ICT Business should be also uploaded as a separate document.	
d.	The Bidder should have at least one administrative office in Ahmedabad. The Bidder should have its own service & support infrastructure in Gujarat, to provide warranty and post warranty services.	The details for administrative & service infrastructure must be enclosed, as a part of a declaration Bidder should submit a self-attested copy on their letter head
f.	The Bidder should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the tendering Authority.	An auditor's certificate to this effect must be provided along with the bid. Certificate / affidavit mentioning that the Bidder is not blacklisted by Government of Gujarat or any of the PSUs in the state of Gujarat due to engagement in any corrupt and fraudulent practices. Self-Declaration Form must be submitted
g.	The Bidder must have a valid GST Registration in India.	Proof of a valid GST in India should be enclosed.
h.	The Bidder must have positive net worth and should be profit making for each of the last three financial years as on 31st March, 2020.	Audited and Certified Balance Sheet and Profit/Loss Account of last 3 Financial Years should be enclosed. CA certificate mentioning net profit of the Bidder should be enclosed.
i.	<p>The Bidder should get the Original Equipment Manufacturer Authorizations for the Products being offered for the following categories</p> <ul style="list-style-type: none"> - HCI Application OEM - HCI Application Approved Server OEM - Smart rack OEM <p>The Bidders should select the OEM as per the OEM Criteria defined in the marking and along with the MAF the Bidder should upload the supporting confirming OEM Qualification.</p> <p>Bids without MAF and Supporting documents for PQ will be out rightly rejected and will not be considered for evaluation</p>	MAF as per the Format defined from all OEM's and in case the OEM is bidding then he needs to give a declaration for the range of products he is offering from its portfolio

Section – 5

Instructions to Bidders

Section Details

Section -1	Project Profile
Section -2	Tender Notice and Information for ONLINE Bidding
Section -3	Scope of Work
Section -4	Bid Pre-qualification Criteria
Section -5	Instruction to the Bidders
Section -6	Technical Specification
Section -7	Technical Bid Format
	Commercial Bid Format
Section -8	Performa for Performance Bank Guarantee
Section 9 Annexures	<ul style="list-style-type: none"> • ANNEXURE I: EMD TENDER FEE Details • ANNEXURE II: Tender Letter Form • ANNEXURE III: Manufacturer's Authorization Form • ANNEXURE IV: Details of Work Experience for HCI, Rack Solution Solutions. • ANNEXURE V: Details of Annual Turnover

Bid processing fee and EMD details: -

Authorization letters

1	Bid Security	The Bidder will have to pay EMD ` 2,05,000/- (two lakhs five thousand) in form of DD from any Nationalized Bank in name of National Institute of Design, Ahmedabad Payable at Ahmedabad.
2	CONTACT PERSON	Purchase Department National Institute of Design (NID) Paldi, Opposite Museum, Ahmedabad – 380007 Phone : (079) 26629541 Mail : purchase@nid.edu

- a. Authorization for Bidder
- b. Confirm that the products quoted are not end of life products
- c. Undertake that the support including spares, patches for the quoted products shall be available for next 5 years. (3 Year warranty + 2 year extended warranty)

Cost of bidding:-

The Bidder shall bear all costs associated with the preparation and submission of the Bid and NID will in no case be responsible for those costs, regardless of the conduct or outcome of the bidding process.

Amendment of bidding documents:-

- At any time prior to the deadline for submission of bids, NID, for any reason, whether at its own initiative or in response to the clarifications requested by prospective Bidders may modify the bidding documents by amendment.
- All Bidders will be notified of the amendment and such modification will be binding on them.
- In order to allow prospective Bidders a reasonable time to consider the amendment in preparing their bids, NID, at its discretion, may extend the deadline for the submission of bids.

Language of bid:-

The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and NID shall be in English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in English. For purposes of interpretation of the bid, the translation shall govern.

Section comprising the bids

The quotation should be scan-able and distinct without any option stated in. The bid submitted shall have the following documents:

The Bid Security (Physical Submission at NID)

- The bid security to be furnished to NID office on or before due date. The details are required to be filled in this section.

Technical Section

- Clause by clause Compliance statement for Bid document including all annexure to be submitted.
- All annexure / Table, duly filled-in with necessary proofs, as required and stated in the bid document
- Letter of Authority for signing the bid.
- Make & Model of quoted in the bid with brochures/internet printout.

Price bid Section:-

- Priced bid (in the prescribed format only)

The Financial Bid should be uploaded separately in the prescribed format of BOQ available on online procurement portal nprocure.com. The Financial bid Form shall contain only price details for items (in words and figures). If NID will find that words and figures are not match, NID will consider the lowest amount / figure for the same.

Fraudulent & corrupt practice:-

- Fraudulent practice means a misrepresentation of facts in order to influence a procurement process or the execution of a Work-order and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial noncompetitive levels and to deprive the NID of the benefits of free and open competition.
- "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of Work-order execution NID will reject a proposal for award and may forfeit the E.M.D. and/or Performance Guarantee if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, work-order(s).

Lack of information to Bidder:-

The Bidder shall be deemed to have carefully examined all work-order documents to his entire satisfaction. Any lack of information shall not in any way relieve the Bidder of his responsibility to fulfill his obligation under the Work-order.

Terms and Conditions:-

Terms and conditions for Bidders who participate in this Tender are specified in the section named "**Terms and Conditions**". These terms and conditions are binding on all the Bidders. These terms and conditions will be part of the purchase order.

The Bidder should be agreeable to all the terms and conditions specified in the tender document. Conditional bids are liable for outright rejection.

Preliminary Scrutiny:-

NID AHMEDABAD will scrutinize the e-bids received to determine whether they are complete and as per Tender requirement, whether technical documentation as asked for and necessary to evaluate the bid has been submitted, whether the documents have been properly signed and whether all the items are supplied as per the requirements.

NID AHMEDABAD may, at its discretion, waive any minor non-conformity or any minor irregularity in the bid. This waiver shall be binding on all the Bidders and NID AHMEDABAD reserves the right for such waivers.

Clarification on Bids received:-

To assist in the scrutiny, evaluation and comparison of bids, NID AHMEDABAD may, at its discretion, ask some or all the Bidders for clarifications on the bid made by them. The request for such clarifications and the Bidder response will necessarily be in writing.

No Commitment to Accept Lowest or Any Bid:-

NID AHMEDABAD is under no obligation to accept the lowest or any other bid received in response to This tender and reserves its right to reject any or all the bids including incomplete bids without assigning any reason whatsoever. NID AHMEDABAD will not be obliged to meet and have discussions with any Bidder and/or to entertain any representations.

Bidder can offer specifications superior to those mentioned in schedule of each IT equipment. All the relevant equipment supplied must be of same make. **Any equipment supplied other than OEM make will not be accepted.** It is mandatory to provide make, model and part numbers of all items and their sub-components as asked in the technical specification. The bid may not be evaluated and/or will be liable for rejection in case of non-submission or partial submission of make, model and part numbers of the items supplied.

The supply of any substandard/assembled item will entail cancellation of whole supply order and forfeiture of EMD/Security deposit.

Erasures or Alterations:-

The offers containing erasures or alterations will not be considered. There should be no hand-written material, corrections or alterations in the offer. Technical details must be completely filled up. Correct technical information of the product being offered must be filled in. Filling up of the information using terms such as "OK", "accepted", "noted", "as given in brochure/manual" is not acceptable.

Bid Price:-

The Commercial Offer should give all relevant price information and should not contradict the Technical Offer in any manner.

The price quoted in the Tender should be excluded of all applicable taxes (Since we don't have 'C' or 'D' form, current applicable Taxes may be charged accordingly). Your offer should be included Freight, Packing, Loading & unloading (at our site in NID Ahmedabad campus), Transportation Charges and Transit Insurance (from your warehouse to our premises).

NID will issue Concessional Rate of 5% GST on Materials Only as per Govt. Notification No. 45/2017 – Central Tax (Rate)/ No. 45/2017 – State Tax (Rate)/ No.47/2017- Integrated Tax (Rate), Dated: 14.11.2017 issued by Ministry of Finance, Department of Revenue of Government of India and it will be issued at the time of confirm Work / Purchase Order of selected / awarded party's.

Terms of Payment Through NEFT / RTGS: (1) After submission of SD as mentioned 90% of the material cost only will be released against delivery on supply of total materials at Site duly inspected by NID's officials. (2) 10% will be released within 10 days on completion of defect liability period and on performance report duly checked, verified and certified by internal technical tem of NID and HOD.

Vendors are also required to quote for the comprehensive AMC charges in Indian rupees for the post warranty AMC/Subscription as per the AMC clause specified in the Inquiry.

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

Item wise, the rates of all taxes must be clearly indicated. Whenever chargeable S.T/ G. S. T / C. S. T numbers must be indicated. It will be deemed that no Taxes are payable by us if such items are not indicated.

Price Comparison:-

In order to arrive at the lowest (technically acceptable) offer NID will consider the total propose solutions price with 3-year on-site warranty (converted into Indian rupees equivalent) NID will not consider L1 Bidder for each item separately at the time of opening of financial bids.

No Negotiation:-

It is absolutely essential for the Bidders to quote the **lowest price** at the time of making the offer in their own interest, as the NID will not enter into any further price negotiations except with the lowest quoting Bidder whose offer is found to be technically acceptable.

Short-listing of Bidders:-

The commercial offers of the Bidders whose technical offers found to be technically deficient or if they do not meet the qualification criteria as specified in this Inquiry will not be opened.

Evaluation process:-

The evaluation process of the tender proposed to be adopted by the NID is indicated under this clause. The purpose of this clause is only to provide the Bidders an idea of the evaluation process that the NID may adopt. However, the NID reserves the right to modify the evaluation process at any time during the Tender process, without assigning any reason, whatsoever and without any requirement of intimating the Bidders of any such change.

Evaluation of bid:-

Bidders need to fulfill all the Technical criteria and conditions mentioned in RFP document. NID will examine the bids to determine whether they are complete, whether the bid format confirms to the Tender's requirements, whether any computational errors have been made, whether required EMD has been furnished, whether the documents have been properly signed, and whether the bids are in order including Techno commercial compliance.

The criteria prescribed in respect of specifications of items, years of operation in the business

experience of similar class of work completed etc will first be scrutinized and the Bidder's eligibility for the work will be determined.

As a part of the process to evaluate the technical bids, Tender Evaluation Committee may also ask the Bidders to make a presentation/ demonstration before it.

After evaluating the technical bids and on acceptance, then only financial bids will be opened.

L1 Bidder for total items as solution would be decided at the time of opening of financial bids. NID AHMEDABAD will award work to the Bidder whose bid has been found to be substantially responsive and has been determined as the lowest evaluated bid, provided further that the Bidder is determined to be competent to perform the work-order satisfactorily.

It must be kept in view that no decision will be given by the Tender Evaluation Committee. Any inferences drawn during the meeting of this Committee by the Bidders or their representatives will be their own view and the Institute will not abide by the same.

Supply order shall be awarded to single Bidder on the basis of bid value of total items.

A bid determined as not substantially responsive will be rejected by the NID and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

Bids not considered for evaluation:-

Bids that are rejected during the bid opening process due to incomplete documentation or late receipt shall not be considered for further evaluation.

Contacting NID:-

Bidder shall not approach NID officers outside of office hours and/ or outside NID office premises, from the time of the Bid opening to the time the Work-order is awarded.

Any effort by a Bidder to influence NID officers in the decisions on Bid evaluation, bid comparison or work-order award may result in rejection of the Bidder's offer. If the Bidder wishes to bring additional information to the notice of the NID, it should do so in writing.

No withdrawal after submission of bids:-

Bidder shall not be permitted to withdraw his/ her/ its offer or modify the terms and conditions thereof after acceptance of tender. In case the Bidder fails to observe and comply with the stipulations made here in or backs out after quoting the rate, the aforesaid amount of Earnest Money and Security Deposit, will be forfeited by the Institute. Besides this, the Bidder may also be liable to be debarred/ blacklisted from participating in the tendering process of NID AHMEDABAD in future and/or suitable penalty may be levied.

NID AHMEDABAD's Rights

- (i) NID Ahmedabad reserves the right to accept/reject any or all the bids in whole or in part and cancel the bidding process without assigning any reason whatsoever and is not bound to accept the lowest tender.



- (ii) NID AHMEDABAD also reserves the right to modify and/ or relax any terms & conditions of this tender document before last date of submission of tenders to safeguard its interest.
- (iii) Any failure on the part of the Bidder to observe the prescribed procedure and any attempt to canvass/influence NID AHMEDABAD for furtherance of his/her interest, the Bidder's quotation will be cancelled forthwith. The decision of NID AHMEDABAD in this regard will be final.
- (iv) NID AHMEDABAD reserves the right to cancel the tender process without assigning any reason whatsoever, at any stage, in case of any change in requirement.
- (v) NID AHMEDABAD reserves the right to blacklist a Bidder for a suitable period in case the Bidder fails to honour its bid after award of work without sufficient grounds.
- (vi) NID AHMEDABAD reserves the right to alter the quantities specified in the bid in the event of changes in requirement. No Bidder will be allowed to change the Financial bid if NID AHMEDABAD decides to drop any items from the schedule.
- (vii) All the items, for which financial bids are submitted, should be genuine and of the specified branded company. If the material supplied is found to be of non-genuine/ substandard quality, the same will be returned/ replaced at the cost of the Bidder and the NID AHMEDABAD will not be responsible for any loss to the concerned Bidder for such supply.
- (viii) Right to vary Quantities at Time of Award: NID AHMEDABAD reserves the right to increase or decrease the quantity of goods and services originally specified in the tender without any change in unit price or other terms and conditions.
- (ix) Reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids at any time prior to award of Work-order.

Repeat Orders:-

NID AHMEDABAD reserves its right to place an additional repeat order for quantity equal to or below the items/ equipment covered in this tender at the same price and terms within twelve months of the date of release of purchase order.

Security Deposit, Tender Fee and EMD :-

Prior to expiration of the period of Bid validity, NID Ahmedabad will notify the successful Bidder and issue a work order/ purchase order after which the Bidder needs to submit the security deposit in the form of Bank Guarantee (BG)/ Demand Draft within fifteen (15) working days of receipt of award. The Bank Guarantee/ Demand Draft shall be equal to 3% of the total value of purchase / work order. The Bank Guarantee shall be valid for duration of Warranty period plus 60days.

The Bank Guarantee / Demand Draft will remain with NID AHMEDABAD for the period of warranty plus 60 days and will be returned to the selected Bidder after certification by IT Centre- NID. No interest will be payable on the EMD / security deposit.

Upon the successful Bidder's furnishing of Performance Bank Guarantee / Demand Draft and signing of Contractual documents, The EMD of all Bidders will be refunded within 10 days through NEFT / RTGS and for this they have submitted all banking details after placement of purchase order/ supply order.

NID AHMEDABAD shall be at liberty to set off /adjust the proceeds of the Performance Bank Guarantee/ Demand Draft towards the loss, if any, sustained due to the Bidder's failure to complete

its obligations under the work-order. This is without prejudice to the NID AHMEDABAD's right to proceed against the Bidder in the event of the security being not enough to fully cover the loss/damage

Tender Fee (Nonrefundable)	:	Rs 1,500/- (One Thousand Five Hundred Only) Non Refundable. If any supplier's downloaded tender document from NID's website send us above amount separately in form of DD/Pay Order with the Sealed Technical offer.
Earnest Money Deposit EMD	:	Rs 2,05,000/- (Two Lakh five Thousand only) by D.D / Pay order of Nationalised Bank in favor of National Institute of Design payable at Ahmedabad.
Security Deposit SD	:	3% of the Contract / Order value including EMD.

1. If offer submitted by OEM / Mfg. Co. Directly, Earnest Money Deposit is not required but the OEM / Mfg. Co. Have to submit Bank Guarantee of 3% of the total order value up to the warranty period before formal purchase / work order is issued.
2. If offer submitted by authorized distributors / dealers, EMD of ` 2,05,000/- (Two Lakh five thousand only) should be submitted along with the offer by the way of Demand Draft / Pay Order should be drawn on any Nationalized Bank favoring "National Institute of Design" and payable at Ahmedabad. The selected supplier to whom the contract is awarded will have to deposit an additional amount as security deposit a further sum to make up 3% of the total value of the accepted tender including the Earnest Money on acceptance of the offer but before formal order is issued.

Section 5A

Terms and Conditions:

Delivery, Installation, Commissioning:-

The Bidder shall be responsible for Shipment, delivery, and installation of **hyper converged server and storage and smart rack components** at the site and for making it operational at no additional charges as follows:

Shipment **hyper converged server and storage and smart rack components** within 8 weeks from the date of Purchase Order.

Installation of various **hyper converged server and storage and smart rack components** equipment within 8 weeks from the date of material received at NID Ahmedabad campus.

If the Bidder fails to ship and install the **hyper converged server and storage and smart rack components** within the stipulated time as mentioned in the schedule, NID reserves the right to claim the liquidated damages and cancel the purchase order.

At the discretion of NID AHMEDABAD, there will be an acceptance test conducted by NID AHMEDABAD's technical team members and/or its nominated consultants after installation.

Order Cancellation:-

NID AHMEDABAD reserves its right to cancel the Purchase Order at any time by assigning appropriate reasons in the event of one or more of the following conditions:

If after the award of the work-order the Bidder fails to furnish the Performance Bank guarantee within fifteen (15) working days, along with the inception report and working schedule as per the tender requirements & if the operation is not started within fifteen (15) working days after submission of P.B.G. as mentioned.

- Delay in delivery beyond the specified period for delivery.
- Delay in installation beyond specified period in the Tender.
- Serious discrepancy noticed during the inspection.

NID reserves the right to cancel the work-order and apply all remedies available under the terms and conditions of the work-order.

Software:-

The Bidder will supply all the genuine original Bundled software as applicable. If any software is found to be fake, the performance guarantee / security deposit along with EMD will be forfeited, Bidder will be blacklisted, and legal proceedings will be initiated by the Institute.

Warranty:-

The bid must include a minimum **three-year comprehensive on-site warranty** including licensing if any as per tender specifications

During the warranty period, If there is a hardware failure the bidder will replace the hardware, re-install the software that were installed on the hardware, at no additional charge.

The Bidder shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship. Bidder must warrant all components, accessories, spare parts etc. against any manufacturing defects during the warranty period. During the warranty period, Bidder shall maintain and repair/replace at the site all defective components, at no charge to NID AHMEDABAD.

Annual maintenance Chares :-

The bidder is required to quote separately for AMC/Subscription from the date of expiry of the warranty period (three years). This rate should be quoted separately as follows: One year comprehensive on-site annual maintenance/Subscription charges in Indian rupees after expiry of warranty period Two year comprehensive on-site annual maintenance/Subscription charges in Indian rupees after expiry of warranty period The Bidder shall give firm commitment to provide AMC/Subscription at the price quoted as above for two years from the date of expiry of warranty. NID will not permit any changes in AMC/Subscription rates once quoted for any reason what so ever. Bidder is expected to maintain the components supplied for at least six years from the date of acceptance by NID. NID will pay AMC/Subscription Charges after the end of warranty period for each year in advance on yearly basis.

End-of-Sale / obsolete components:-

Bidders must bid the latest model that are not announced by the principals as end of sale product or obsolete at the time of shipment.

Spare parts:-

If any of the components are not available during the warranty/AMC period, in such case Bidder must replace it with equivalent or higher capacity.

Support:-

Bidders are also required to submit details like address of the nearest support center, detail support escalation matrix, number of service engineers available along with their names, telephone/mobile numbers, for warranty/AMC service etc.

Penalties:-

Delay in shipment, delivery and installation: NID AHMEDABAD will charge penalty @**1% of the** total order value per week for the delay in shipment, delivery and installation of **hyper converged server and storage and smart rack** at NID AHMEDABAD campus beyond 8 weeks from the date of purchase order, subject to a maximum 5% of the total order value. After the maximum penalty value is reached, the order will be cancelled and NID AHMEDABAD will initiate necessary action as per terms of the tender.

Delay in repair:-

hyper converged server and storage and smart rack that is reported to be down on a given date should be either fully repaired or replaced within 2 working days. The problem reported by NID AHMEDABAD will be through a telephonic message or any other mode of communication as NID AHMEDABAD may decide.

In case Bidder fails to repair or replace the **hyper converged server and storage and**

smart rack Equipment within 2 working days, there will be a penalty @ 20,000/- per day from the third day.

Termination:-

NID AHMEDABAD may at any time terminate the work-order by giving written notice to the Bidder if the Bidder becomes bankrupt or otherwise insolvent. In this event, termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the NID AHMEDABAD.

Quality Standards:-

NID AHMEDABAD is looking for well proven/designed and quality product. All items quoted should be associated with specific model numbers and names and with literature. Any deviations from the specifications should be clearly listed in Annexure called "deviations" giving reasons thereof.

Assignment & sub contracts:-

Assignment by Bidder:-

The Bidder shall not assign, in whole or in part, its rights and obligations to perform under the Agreement to a third party, except with the prior written consent from NID.

Sub contracts:-

The Bidder shall notify the NID in writing of all subcontracts awarded under the Work-order Agreement. Such notification shall not relieve the Bidder from any liability or obligation under the Agreement. The Bidder shall fully indemnify NID for any claims/damages whatsoever arising out of the Sub contracts.

Service terms:-

It is mandatory for Bidder to deploy qualified professional to install, commission & maintain the equipment, as defined under scope of work.

Indemnity:-

Bidder shall indemnify, protect and save NID AHMEDABAD against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the items supplied by Bidder.

Original Hardware and Software:-

Bidder should guarantee that all the components delivered to NID AHMEDABAD are genuine and brand new. In the case of software, the Bidder should guarantee that the software supplied to NID is licensed and legally obtained. All hardware and software must be supplied with their original and complete printed documentation. If any hardware and software is found to be fake, the security deposit (including EMD) will be forfeited, Bidder will be black listed and legal proceedings will be initiated by the Institute.

Force Majeure:-

Bidder shall not be liable for default or non-performance of the obligations under the work-order, if such default or non-performance of the obligations under this work-order is caused

by any reason or circumstances or occurrences beyond the control of the Bidder, i.e. Force Majeure.

For the purpose of this clause, "Force Majeure" shall mean an event beyond the control of the Bidder, due to or as a result of or caused by acts of God, wars, insurrections, riots, earth quake, natural calamity and fire, events not foreseeable but does not include the Bidder's fault or negligence or carelessness on the part of the Bidder, resulting in such a situation.

In the event of any such intervening Force Majeure, the Bidder shall notify NID in writing of such circumstances and the cause thereof immediately within five calendar days. Unless otherwise directed by NID, the Bidder shall continue to perform/render/discharge other obligations as far as they can reasonably be attended/fulfilled and shall seek all reasonable alternative means for performance affected by the Event of Force Majeure.

In such a case, the time for performance shall be extended by a period(s) not less than the duration of such delay. If the duration of delay continues beyond a period of three months, NID AHMEDABAD and the Bidder shall hold consultations with each other in an endeavour to find a solution to the problem. Notwithstanding above, the decision of NID AHMEDABAD shall be final and binding on the Bidder.

Resolution of Disputes:-

All disputes and differences of any kind whatsoever, arising out of or in connection with this Bid or in the discharge of any obligation arising under this Bid (whether during the progress of the work or after completion of such work and whether before or after termination, abandonment or breach of the Agreement) shall be resolved amicably. In case of failure to resolve the disputes and differences amicably the matter may be referred to a sole arbitrator mutually agreed upon after issue of at least 30 days' notice in writing to the other party clearly setting out there in the specific disputes. In the event of absence of consensus about the single arbitrator, the dispute may be referred to joint arbitrators, one to be nominated by each party, and the said arbitrators shall appoint a presiding arbitrator. The provisions of the Indian Arbitration and Conciliation Act, 1996, shall govern the arbitration. The venue of the arbitration shall be **Ahmedabad**.

Jurisdiction:-

In the event of any dispute not resolved amicably as enumerated in clause above, Ahmedabad shall be considered as the place of execution of this work-order arrangement and only courts in Ahmedabad alone shall have jurisdiction in the matter.

SECTION 6

Technical Specifications

Hyper Converged Infrastructures

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
1	Gartner	The proposed HCI solution must be listed in the leader's section of Gartner's Magic Quadrant for Hyper Converged Infrastructure in at least last 3-year reports.			
2	IDC	The proposed Rack Servers for the HCI solution shall be in Top 3 in terms of market share as per IDC's all of the last published 4 server shipment reports for the region of Asia/Pacific (excluding China).			
3	Software Defined Storage	The proposed HCI solution should be a purely software-based solution and should not be dependent on any hardware OEM make and model. NID should be able to run their HCI solution on any compatible x86 hardware of choice from leading vendors like HP, Dell and should not be restricted to run on any particular Hardware OEM only. HCI nodes means the nodes which contribute to all 3 viz. compute, memory and capacity.			
4	All Flash Solution	The proposed solution should be built with All Flash configuration only. Using of non-flash drives/technology is not allowed.			
5	Server Configuration	The proposed HCI server/node shall be from Intel Cascade family with minimum per server configuration of 2*16 core processor (5218 or higher)/2.3 Ghz or higher/384 GB RAM/DDR-2667 or higher/with 24 drive slots for caching and capacity. Bidder to propose			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
		3 servers/nodes of similar configuration as mentioned.			
6	Server Configuration and Sizing	The proposed solution should be sized minimum 96 physical Cores, minimum 1 TB usable Memory and 40 TB of usable capacity using All-Flash SSDs without considering any space efficiencies like Deduplication and Compression. The data efficiencies achieved in the solution would be additional benefit to NID.			
7	Caching/ Capacity disk configuration	The proposed HCI solution must be provided with 800 GB or higher Write Intensive SSD (SAS based only) with 12 Gbps hot plug drive for Caching purpose and not more than 4 TB Read Intensive SSD drives (SAS based only) with 12 Gbps hot plug drive for Capacity purpose from Day-1. Minimum 2 disk groups to be proposed per node.			
8	Co-existence of Hardware OEMs in Cluster	The proposed solution should have future scalability support of co-existence of HCI nodes from different hardware OEM vendors in the same cluster and should not restrict NID to any particular Hardware OEM. HCI nodes means the nodes which contribute to all 3 viz. compute, memory and capacity. The scalability in form of compute only or storage only nodes is not allowed as the scalability of the entire HCI cluster has to be linear.			
9	HCI Software License	The proposed HCI software licenses should be Per-Processor and PERPETUAL in nature (irrespective of the capacity and memory on the proposed nodes) and should not have any			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
		dependence on the underlying hardware.			
10	HCI Software License	The proposed solution should be licensed for full capacity and resources of the nodes participating in the solution on Day-1. NID shall not be bearing any additional cost for in-node upgrades once the setup is installed unless there is a new node addition to the existing cluster.			
11	HCI Software License	HCI Software Licenses should be perpetual in nature. That means even if NID wishes not to buy support/subscription, the license should be valid, and cluster should be functional without any feature and functionality degradation.			
12	HCI Software License	The HCI licenses should be transferrable to hardware from the existing x86 proposed hardware to other x86 hardware of a different vendor in case the proposed hardware goes EOL & EOS or is unavailable.			
13	HCI Software Enterprise Storage Services	The HCI solution shall allow delivery of enterprise-class storage services using latest x86 server servers and also connect to a separate FC based Storage Area Network (SAN) & associated components such as SAN Switches & HBAs as per need be.			
14	Disk Groups	Server shall have minimum 2 disk groups created and populated for redundancy from Day-1 with caching and capacity disks as per solution sizing.			
15	Scale up and Scale out	The solution shall have capability of scale-up (by adding disks) & scale-out (by adding nodes) both of these scalability natively available, non-disruptively, so that there is no impact			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
		and disruption to the workloads that are running onto the VMs.			
16	Memory or Disk independent license	Adding of Memory or Disks in the proposed nodes should not incur any additional software licenses and downtime of any VMs.			
17	Per Disk Building Block	Scalability should be supported with minimum building block expansion with a single disk per disk group.			
18	Data Striping	The proposed solution should be designed and proposed so as to able to stripe the data and its copies across the cluster datastore, in order to have Zero or minimal data evacuation during node failures.			
19	FC SAN Connectivity	The proposed solution should be capable of connecting to FC SAN from the Day-1 for VM migration and reusing existing Storage as extended capacity natively using FC protocol & HBA along with the proposed HCI solution. These capabilities are required from Day 1.			
20	In Kernel / Controller VM	The proposed HCI should be embedded within the hypervisor kernel itself without the need of any external controller VM. In case the proposed HCI solution requires controller VM for running HCI solution, then the bidder has to propose additional minimum 4 physical cores and minimum 64GB of memory per node (over and above the requested cores and memory by NID).			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
21	Future Scalability	The servers being provided for Software Defined HCI should have at least 100% scalability within the proposed 3 HCI nodes in order to populate additional drives in future so as to increase capacity without adding any servers and without any software license impact to NID. The minimum disk slots per server should be 24-slots, with minimum 50% of disk slots available on server to be remained free from day-1 for future scalability PER NODE.			
22	Software Defined HCI Solution	The proposed HCI solution should be 100% software defined only and should not offload any storage services to hardware.			
23	De-duplication and Compression Services	The solution should provide enterprise data services such as de-duplication and compression completely within the software with no dependence on any proprietary hardware. A usable capacity of 40 TB should be available for NID's use on Day-1, without leveraging deduplication, compression and any other HCI software advantages.			
24	Redundancy	Proposed solution should be sized and proposed so as to protect 1-Node failure scenarios in a cluster.			
25	Data Policies	The proposed solution should provide framework to set storage and data management policies like mirroring, fault tolerance, capacity reservation, cache reservation, IOPs limit on a per-VM & per virtual disk basis. It should also allow changes to these policies on the go without requiring to restart the virtual machines			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
26	Data Policies	The solution should have QoS for IOPS at virtual machine disk level to provide granularity control and regulation of performance as per NIDs requirement. For e.g. QoS for IOPS in a Log file virtual disk (drive) of a DB virtual machine should be possible.			
27	Connectivity	The nodes should be capable to connect over 10G/40G network using SFP+. Minimum 6x10G SFP+ ports per server node must be proposed. There should be no dependency on any proprietary or specialized interconnects.			
28	Complement to Hypervisor capabilities	The proposed solution should support and be complement of features like V-motion, High Availability, Fault Tolerance, Hot Add, Replication features across the cluster. This is to ensure that NID is able to leverage the features of the existing hypervisor extensively.			
29	Data Services	The solution should support checksum of data to ensure data integrity & to enable automatic detection and resolution of silent disk errors			
30	Redundancy	The solution should deliver zero data loss in case of minimum one node failure. If the solution demands additional nodes or resources to ensure high-availability, bidder should include and propose the same on Day-1			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
31	FC SAN Connectivity	NID has workloads on existing Compute and Storage (FC SAN) systems which needs to be used as part of the proposed solution from Storage perspective. The solution should ensure that the proposed HCI nodes are populated with drives as part of the overall requested Software Defined HCI solution architecture and there is a co-existence of NID's current traditional infrastructure for seamless data migration and workload movements in a phase wise manner. The entire manageability of the new and existing infrastructure should be managed via a single management console.			
32	HCI Capacity to Physical Servers	The proposed solution should support capacity provisioning to non-virtual/physical servers through iSCSI mapping.			
33	Distributed Switch	Proposed HCI platform shall provide distributed switch capability to provide a centralized GUI based interface (not CLI based) from which one can configure, monitor and administer virtual machine. The configuration shall be populated across all hosts that are associated with the distributed switch. This would ensure that virtual machines maintain consistent network configuration as they migrate across multiple hosts.			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
34	Network Visibility	The solution should offer converged visibility and analytics that tie together compute, network, storage, and security and provide Physical to Virtual Correlation and troubleshooting.			
35	Network Visibility	The solution should offer comprehensive flow assessment and analytics and security groups and firewall rules suggestion for the purpose of implementing a zero trust security within the data-center.			
36	Network Visibility	The solution should be able to natively provide comprehensive report and dashboard of the amount of East-West, North-South, Internet, virtual machine to virtual machine, virtual machine to physical traffic within the datacenter.			
37	Network Visibility	Solution should provide the information for the flows between physical devices using DNS Mapping file.			
38	Network Visibility / Support	Solution should provide support for heterogeneous underlying infrastructure based on bare metal, VMware vSphere and KVM all of these platforms.			
39	Unified Management Console	The solution should provide a single unified management console for the entire virtualized environment including HCI and non HCI virtualized platform.			
40	Replication	The proposed HCI solution should use replication methodology configurable per Virtual Machine basis to asynchronously replicate VMs across both the traditional and software defined HCI solution, based			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
		on configurable schedules of 15 min RPO or lesser.			
41	Integration with Existing Environment	The proposed HCI solution should be integrated with the existing standardized VMware based virtual infrastructure present at NID, i.e. the existing vCenter and the vSphere platform. NID currently uses VMware vCenter as a hypervisor management software for its clusters/sites and the proposed solution should integrate with VMware vCenter and with the proposed replication software across sites. The ownership and completeness of the entire solution will be bidder's responsibility. NID currently has VMware vSphere Standard licenses and VMware vCenter licenses and bidder is free to use the same or may propose any other virtualization platform complying to all RFP terms and conditions.			
		Additional Technical Specifications for HCI Node			
42	GPU cards capability	Each node should be configured from Day 1 with sufficient additional PCIe slots to accommodate at least 2 nos. of double-width GPU cards in future without any modifications to the Server Chassis			
43	Memory Protection	Each HCI Node should be equipped with Memory Protection Technologies such as Advanced ECC with multi-bit error protection, Online spare, Mirrored Memory and Fast Fault Tolerance from Day 1			
44	IO Controller	Solution shall be with proposed HCI solution			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
		certified and compatible IO controller on each of the server/node.			
45	Micro SD / M.2 Drive for Hypervisor	Each HCI Node should be equipped with Minimum Dual 32GB microSD in RAID 1 or M.2 drives of 32 GB or higher in RAID 1 for hypervisor.			
46	Connectivity	Each HCI Node should be configured with at least 6 x 10G SFP+ fiber ports and 2 x 16G FC ports for front-end and Fiber Channel SAN connectivity respectively from Day 1.			
47	PCIe Slots	Each HCI Node should be equipped with at least SEVEN or more PCI-Express 3.0 slots including minimum THREE x16 PCIe slots.			
48	Power Supply	Each HCI Node should be configured with 2 x 1600W of higher hot plug redundant platinum power supplies and redundant hot-plug system fans.			
49	System Security	<p>UEFI Secure Boot and Secure Start support.</p> <p>Security feature to ensure servers do not execute compromised firmware code.</p> <p>Support FIPS 140-2 Validation</p> <p>Support Common Criteria certification</p> <p>Configurable for PCI DSS Compliance</p> <p>Support Tamper-free updates - components digitally signed and verified</p> <p>Support Secure Recovery - recover critical firmware to known good state on</p>			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
		detection of compromised firmware Ability to rollback firmware Secure erase of NAND/User data Configured with TPM (Trusted Platform Module) 2.0 or 1.2 Support Smart card (PIV/CAC) and Kerberos based 2-factor Authentication Configurable for PCI DSS compliance Support Secure erase of NAND			
50	OS and Virtualization Software Support	Should support latest version of below O.S Microsoft Windows Server Red Hat Enterprise Linux RHEL, SUSE Linux Enterprise, Server, VMware, CentOS			
51	GPU Support	Each HCI Node should have vacant slots supplied with necessary Riser Cards to house at least Dual double-width GPU Cards in Server Chassis after meeting all other port counts as asked in the RFP			
52	Server Management	Each HCI Node should be supplied with Server Management Software from Server OEM with below capabilities from Day 1:			
53	Server Management	Software should support dashboard view to quickly scan the managed resources to assess the overall health of the data center. It should provide an at-a-glance visual health summary of the resources user is authorized to view.			
54	Server Management	The Dashboard minimum should display a health summary of the following:			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
		<ul style="list-style-type: none"> •Server Profiles •Server Hardware • Server alerts 			
55	Server Management	The Systems Management software should provide Role-based access control.			
56	Integration with vCenter/SCVMM	Management software should support integration with popular virtualization platform management software like vCenter, and SCVMM			
57	Server Management	Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD.			
58	Server Management	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.			
59	Server Management	Each HCI Node should have continuous, proactive health monitoring and recording of required system parameters on a 24x7x365 basis.			
60	Server Management	Should have monitoring & analytics feature for the offered server/chassis along with its sub-components to predict, prevent, and auto-resolve problems and by providing automating case creation and log file submission for the problems that cannot be auto resolved.			
		Warranty Requirement			
61	Warranty	Proposed HCI Software and Hardware should be with 3 years comprehensive 24*7 onsite warranty including software/subscription and firmware upgradation thru single OEM.			

TECHNICAL SPECIFICATION FOR HCI SETUP					
Sr. No.	Parameters	Software Specifications	Compliance (Yes/No)	Deviations	Reference Page
62	OEM Support	There shall be direct OEM support for proposed products with unlimited number of incidents			
		Scope of Work - Installation, Migration and Training			
63	OEM Support	OEM shall be responsible to carry out first time installation and commissioning of the supplied HCI solution including supplied hardware/software at NID, Ahmedabad site.			
64	Migration of existing environment	Bidder/OEM shall carry out seamless migration of existing virtualized environment at NID Ahmedabad to the proposed HCI environment. Current environment is on VMware vSphere 6.x with approximately 25 VMs on 6 no. of IBM Flex systems x240 and IBM Storewise v3700 with approximately 24 TB usable storage.			
65	Training	HCI Software OEM authorized training to be provided to 2 participants of NID for adopting requisite knowledge and best practices purpose of the proposed HCI solution.			

Cooling Racks

Technical Specifications for Cooling Racks					
Sr. No	Parameter	Specifications	Comp liance	Deviation	Ref Page No
A		OEM Pre qualifications			
1		The OEM must have designed and executed minimum three Data Centre projects on a turnkey basis with Tier compliance for a third party customer, adhering to Data centre standards during the last 5 years from the of bid submission date			

Technical Specifications for Cooling Racks					
Sr. No	Parameter	Specifications	Compliance	Deviation	Ref Page No
2		OEM or Manufacturer should be ISO 9001: 2000 and ISO 14001 certified			
3		The OEM should have at least three qualified and experienced DC certified professionals like CDCP/CDCS/CDCE/ATD on their company payroll with minimum 3 years' experience in Data Centre designing and implementation			
4		OEM or Manufacturer should have its own service centre in any of the metro and spares and inventory support should be provided from the service station. OEM to confirm the modality of the service			
5		The OEM should provide all installation and maintenance support directly. OEM to give specific compliance for the same.			
6		If the bidder is not an OEM the bidder should authorized by the OEM to bid for this tender. Bids without MAF will be out rightly rejected specifically			
7		(DX) Rack based air conditioning unit using refrigerant R410a. Test certificate shall be submitted prior to shipment			
8		The Project Manager proposed from bidder must have a minimum 5 years of experience in executing & managing Data centre projects. (CV along with Client reference to be provided)			
B		Design Considerations			
1	Architecture	Intelligent Integrated Infrastructure with inbuilt hot and cold aisle containment of 3 rack should cater Cooling load up to 14 KW with N+1 Configuration			
2	Solution Components				
2.1		Rack			
a		3 Nos. of 42 U racks with overall system dimension of 2432 mm x 1100 mm (W x D) facilitating Min 120U space available for IT and network			
2.2		Power Distribution			
		Standard Rack PDU (Vertical) - with 16 sockets (12 IEC C13 & 4 IEC C19)-02 Nos. for each Rack			

Technical Specifications for Cooling Racks					
Sr. No	Parameter	Specifications	Compliance	Deviation	Ref Page No
		with 2.5 mtr. power chord (each rack is having two PDU's)			
2.3		Rack based closed loop Air-Conditioning			
a		The racks should be equipped with rack based Digital scroll cooling units to provide closed loop cooling system which should be able to cool the equipment's uniformly for the Rack Equipment.			
b		Rack Mount Air conditioner with Digital scroll compressor, of capacity 7 kW (2 Tr.) 03 no. to cater IT load of approximately 14KW for total 3 rack. Mounting of all three vertical Cooling unit/Zero U will be at sides consuming non-server space.			
2.4		Fire Detection and Suppression			
		Fire detection and suppression system: Fire Detection Suppression & Suppression system should be wall-mount. It should have Fire alarm and fire suppression unit and the fire suppression agent should be NOVEC 1230 Gas as per NFPA 2001 guidelines			
2.5		Environmental Controls			
		Intelligent rack should include basic environmental controls: <ul style="list-style-type: none"> • Smoke Detector • Water Leak Detection system • Temperature/ Humidity Sensor • Door Sensor • Alarm beacon 			
2.6		Monitoring			
		Integrated rack should have IP based monitoring facility of all the passive parameters inside racks.			
		Capable for sending Email/SMS alerts to 5 intended persons In case of emergency. SMS Alert Modem to be arranged by partner, if required.			
		Access and monitor the status critical components through mobile app/browser.			
2.7		Other features:			

Technical Specifications for Cooling Racks					
Sr. No	Parameter	Specifications	Compliance	Deviation	Ref Page No
		The Intelligent integrated infrastructure would provide much functionality and some of the key functionalities are - Cold Contained Front Aisle & Rear Contained Hot Aisle, insulation, remote management and single point of service.			
		Biometric access control system feature.			
		Rack, Cooling and monitoring system should be from same and single OEM.			
		Monitoring SNMP Enablement feature to connect to any 3rd party BMS over SNMP			
		Status based LED Lights			
		Noise Level of Machine <65 dB (For indoor system @ 1mtr distance)			
C		Technical Specifications			
1		Racks			
1.1	Physical Dimensions	42 U 19" mounting type with 2100 (Height) x 832 (Width) x 1100 (Depth).			
1.2	Load handling	Frame should be scalable and modular with safe load carrying capacity of 1400 Kg on enclosure frame and 1000 Kg on 19" mounting angles.			
1.3		Color shade of Rack is RAL 9005			
1.4	Base Plinth	Base plinth with 100 mm height			
1.5	Cable entry and Cable management	<ul style="list-style-type: none"> - From top & bottom both side of rack - Should have Cut outs with brush on top and bottom cover of rack for cable entry - Should be equipped with Vertical Cable manager on both LHS & RHS on rear side 			
1.6	Front and Rear Door	Front door should be Glass type facilitating complete 42U height visibility Rear door should be plane door with stiffener for strength			
1.7	Side Panels	Thermally insulated cold aisle chamber			
1.8		Blanking panels to prevent air mixing			
1.9		LED light (Status Based) consideration.			

Technical Specifications for Cooling Racks					
Sr. No	Parameter	Specifications	Compliance	Deviation	Ref Page No
2		Cooling Units (In rack type)			
2.1	Cooling capacity and Cooling unit dimensions	Minimum 7 kW of size 89 x 756 X 1500 (W X D X H)			
2.2	Architecture	Split indoor & Outdoor unit design			
2.3	In Rack mounting mechanism	Should facilitating mounting in rack without consuming any U rack space thus facilitating full 42 U rack space for mounting of IT equipment			
2.4	Compressor type	Digitally Scroll compressor for high reliability & Efficiency			
2.5	Fan Type	Electronically commutated centrifugal evaporator fan for high energy efficiency			
2.6	Flow direction	Air flow suitable to rack equipment from sides in horizontal direction			
2.5	Leakage protection	Should have thermal insulation on indoor unit.			
2.6	Power protection	Should have embedded sensors for under voltage and Overvoltage protection for equipment safety in Zero U.			
2.7	Air Pressure monitoring and protection	Should have embedded sensors for monitoring Pressure changes and facilitating cutoff for protection and safe operation			
2.8	Filter type	Washable filter with 80% efficiency down to 20-micron rating and HDPE media			
2.9	Expansion valve	Flare type Thermostatic Expansion Valve for easy serviceability			
2.10	Coolant type	Refrigerant R410A compatible			
2.11	Coil type	Hydrophilic evaporator coil			
2.12	Power protection of Indoor and outdoor unit	Individual MCBs at indoor and outdoor unit for protection			
2.13	Piping type	Flexible Copper type piping for easy indoor to outdoor connection at rack level			
2.14	Power type of Indoor and Outdoor units	Three Phase supply for Outdoor Unit & Single Phase for Indoor Unit.			
2.15	Power requirements for Fans in indoor and outdoor units	Indoor 48VDC Operated EC Fan and Outdoor Single phase AC FAN			

Technical Specifications for Cooling Racks					
Sr. No	Parameter	Specifications	Compliance	Deviation	Ref Page No
2.16		Emergency Exhaust Fan Feature			
	Alternate cooling arrangements in case of main AC unit failure	All racks should be equipped with Emergency Fan at front Door and rear Top and the same will provide for ventilation in case of Cooling unit failure.			
3		Fire Alarm and Fire Suppression System			
3.1		System to have following features: <ul style="list-style-type: none"> • Volt free contacts for connection into third party equipment for beacon (hooter), fire extinguishing condition & Detector equipment fault condition. • Adjustable Delay timer up to 120 Sec after detection of fire condition. • Inbuilt battery backup of standard ratings. • Provision for remote inputs for Abort, Release 			
3.2		The integrated infrastructure solution should be designed as a complete stand-alone unit with Rack Wall Mount design for Fire Detection and Extinguishing.			
3.3		Following systems should be installed. <ul style="list-style-type: none"> - NOVEC 1230 Clean Agent for fire suppression system - Fire detection and alarm systems, with detectors For calculating the total gas for suppression an volume of 5.28 Cubic meters for all three Smart Cabinet Premium together should be considered			
4		Biometric Lock with Numeric Key pads for the Rack doors			
4.1		The IP based Access Control System shall be used to serve the objective of allowing access to authorized personnel only.			
4.2		The system deployed will be based on Biometric Technology			
4.3	Magnetic Lock locations	Front and Rear doors of the racks			

Technical Specifications for Cooling Racks					
Sr. No	Parameter	Specifications	Compliance	Deviation	Ref Page No
4.4	Operation of Magnetic lock	Using Biometric or password insertion using the numeric keypad or then use the Electronic Swing Handle arrangement, which is integrated with the Magnetic lock, which will open based on the authentication process as mentioned above. For all the 03 racks being supplied, the above security mechanism for authenticated access should be integrated from day one in all the racks.			
4.5	System features	The system would be designed and implemented to provide following functionality: <ul style="list-style-type: none"> - Configurable system for user defined access - Built-in Real Time Clock (RTC), calendar; complete Database stored locally and shall be capable of operating offline on standalone mode - Record, report and archive each and every activity (permission granted and / or rejected) with log formats - Fail safe operation in case of no-power condition and abnormal condition such as fire, theft, intrusion, loss of access control, etc. 			
4.6	Usage mechanism	At the biometric reader with numeric keypad, user will scan the finger to the biometric reader, which is unique to each employee. The pattern compared with stored data to grant / deny access. In case password is there user will input the numeric password and then based on the stored data, reader will compare the data and then authenticate the user. A combination of password +biometric should also be possible if NID is planning dual authentication to avoid unauthorized access.			
5		Electric Panel, Cable and Accessories			
5.1	Mounting	Wall Mount type			

Technical Specifications for Cooling Racks					
Sr. No	Parameter	Specifications	Compliance	Deviation	Ref Page No
5.2	Panel dimensions (mm)	450 x 300 x 1300 (W x D X H)			
5.3	Main Incomer	125 Amp 4 Pole MCCB with ON, OFF, TRIP & R, Y & B Indication.			
5.4	UPS input	2 nos. of 100 Amp TPN MCB D Curve for 3 Phase UPS Supply			
5.5	Cooling input	4 nos. of 25 Amp TPN MCB C Curve for Cooling Unit Supply including 1 spare feeder			
5.6	Spares	1 no. of 100 Amp TPN MCB D Curve for spares			
5.7	UPS output	Output from the existing panel will be extended to the PDU's that will be installed in the rack			
5.8	Cable and accessories	All cables and accessories to make the electrical panel functional and integrate it with the output panel needs to be provided by the Bidder on SITC basis and all supply items should be ISO category			
6		Monitoring			
6.1		Supply and installation rack mountable monitoring system with Sensors & notification system. The system shall continuously collect critical information from network-connected devices such as UPS system (In case of Same OEM), Cooling Units, temperature & humidity sensors, Door sensors, Water Leak sensor. Beacon & Buzzer-Sound and Flash Led Alarm. Based on pre-set parameters, automated email alerts are sent to the intended recipients			
6.2		Should facilitate monitoring of Rack environment remotely			
	Protocol for integration of devices	Modbus 485 Communications			
	Communication method	SNMP Communication			
	Management console	Single facilitate monitoring all sensors from a single console			
	Log generation	Should store Data related to logs of alarms and notification			
	Sensors to be supplied	03 Temperature & Humidity Sensor, with LCD display and RJ45 connector			

Technical Specifications for Cooling Racks					
Sr. No	Parameter	Specifications	Compliance	Deviation	Ref Page No
		03 Door opening sensor with RJ 45 connector			
		03 Water leak detection sensor with RJ45 connector			
		03 Smoke detection sensors with RJ45 connector			
	Output devices	Alarm device with LED flash and sound option			

SECTION 7

Unpriced Bill of Quantities – for Make Model Definition

Hyper Converged Infrastructure

Sr. No	Description	UOM	Qty	Make	Model (All the part codes required to complete the set with quantities of each required should be mentioned)
1	HCI Certified solution including hardware and software with 3 Years Support / Subscription, 24 x 7 Support	Set	01		
2	One Time Setup and Installation of HCI Setup along with migration of VM from the old setup to the New HCI Infrastructure	Job	01		

Racks and Migration

Unpriced Bill of Materials for Make Model details for Cool rack project					
Sr. No	Description	UOM	Qty	Make	Model (All the part codes required to complete the set with quantities of each required should be mentioned)
1	Supply of Cooling Racks along with Cooling units including all accessories and consisting of	Set	1		
	03 Racks with all accessories, 06 PDUs, 06 Vertical cable managers, Biometric Locks and necessary sensors related to environment monitoring and fire safety as per the specifications				
	Cooling units as per the specifications including indoor and outdoor units				
	Fire suppression and Fire detection systems for the entire set of 03 racks as per the specifications				
	Monitoring system for the entire infrastructure being installed as per the specifications				
	Loaded electrical panel with MCCBs , Cables etc. as per the specifications				
2	Piping for interconnecting the indoor and outdoor units as per the specifications on SITC basis	Set	1		
3	Installation of Racks, Cooling units , Sensors , Fire suppression systems , Electric Panel and MCCB etc.	Job	1		
4	Warranty support charges for 36 months for the entire package	Job	1		

Unpriced Bill of Materials for Make Model details for Cool rack project					
Sr. No	Description	UOM	Qty	Make	Model (All the part codes required to complete the set with quantities of each required should be mentioned)
	being supplied and installed				
5	Commscope Systimax 7 mtrs CAT6 patch cords	Nos	350		
6	Commscope Systimax 7 mtrs CAT5E patch cords	Nos	350		
7	Migration activity for migrating the edge switches to the new racks , interconnecting the same to the jack panels in the old racks and make the connections operational inclusive of all accessories like ducts etc.	Job	1		

Section – 8

Performance Bank Guarantee

(To be stamped in accordance with Stamp Act)

Ref: Bank Guarantee No.

Date:

To,
The Director
National Institute of Design
Opp Musuem,
Paldi Ahmedabad 380007
Gujarat - India.

Dear Sir,

1. WHEREAS..... (Name of Bidder) hereinafter called "the Bidder" has undertaken, in pursuance of Agreement dated, (here in after referred to as "the Agreement SYSTEM INTEGRATION OF VARIOUS WORKS AT NID Ahmedabad. And WHEREAS it has been stipulated in the said Agreement that the Bidder shall furnish a Bank Guarantee ("the Guarantee") from a scheduled bank for the sum specified therein as security for implementing PROJECT.

WHEREAS we _____ ("the Bank", which expression shall be deemed to include it successors and permitted assigns) have agreed to give National Institute of Design (NID) the Guarantee:

THEREFORE, the Bank hereby agrees and affirms as follows:

The Bank hereby irrevocably and unconditionally guarantees the payment of all sums due and payable by the Bidder to NID under the terms of their Agreement dated _____. Provided, however, that the maximum liability of the Bank towards NID under this Guarantee shall not, under any circumstances, exceed _____ in aggregate.

3. In pursuance of this Guarantee, the Bank shall, immediately upon the receipt of a written notice from NID in that behalf and without delay/demur or set off, pay to NID any and all sums demanded by NID under the said demand notice, subject to the maximum limits specified in Clause 1 above. A notice from NID to the Bank shall be sent by Registered Post (Acknowledgement Due) at the following address:

Attention Mr. _____.

4. This Guarantee shall come into effect immediately upon execution and shall remain in force for a period of months from the date of its execution. The Bank shall extend the Guarantee for a further period, which may mutually decide by the Bidder & NID. The liability of the Bank under the terms of this Guarantee shall not, in any manner whatsoever, be modified, discharged, or otherwise affected by:

- Any change or amendment to the terms and conditions of the work-order or the execution of any further Agreements.

- Any breach or non-compliance by the Bidder with any of the terms and conditions of any Agreements/credit arrangement, present or future, between Bidder and the Bank.

5. The BANK also agrees that NID at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the BIDDER and not withstanding any security or other guarantee that NID may have in relation to the Bidder's liabilities.

6. The BANK shall not be released of its obligations under these presents by reason of any act of omission or commission on the part of NID or any other indulgence shown by NID or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the BANK.

7. This Guarantee shall be governed by the laws of India and the courts of Ahmedabad shall have jurisdiction in the adjudication of any dispute, which may arise hereunder.

Dated this the Day of

Witness

(Signature)

(Name)
Stamp

(Signature)

Bank Rubber

(Name)

(Official Address)

Designation with Bank Stamp

In addition, Attorney as per Power of Attorney No. Dated:

Section – 9

Annexure – I : Earnest Money Deposit & Tender Fee Details

Sr. No.	Item	Amount (In Rs.)	Name of the Bank & Branch	Demand Draft No.
2	Tender Fee			
1	Earnest Money Deposit (E.M.D.)			

Annexure II : TENDER LETTER FORM

Date: _____

From
(Registered name and address of the Bidder.)

Date:

To,
The Director
National Institute of Design
Opp Musuem,
Paldi Ahmedabad 380007
Gujarat – India

Sir,

Having examined the tendering documents, we the undersigned, offer to supply, install, test, integrate and commission of Multiple Systems as detailed in the bidding document (as enclosed) in response to T/E numberdated

we undertake to:

maintain validity of the Tender for a period of 4(120 days) months from the last date of Tender submission as specified in the bidding document or extended. The same shall remain binding upon us and may be accepted at any time before the expiration of that period.

supply, install, test, integrate, commission and maintain the "Systems" for a period of 36 months (warranty period) in conformity with the bidding documents (and as amended from time to time).

Assistance in Operation and Comprehensive Maintenance of system for a period of 3 years (after commissioning of the system).

Commission the "Systems" within the time frame as defined in the Tender documents (and as amended from time to time)

execute work-order in totality and provide all securities & guarantees as required in the Tender document (and as amended from time to time).

until a formal work-order is prepared and executed, this Tender, together with your written acceptance thereof and your notification of award, shall constitute a binding work-order on us.

certify that products and Systems to be supplied shall be from eligible countries as specified in the above mentioned T/E document.

Dated this _____ day of _____.
(in the capacity of)

Signature

Duly authorized to sign Tender for and on behalf of

Witness:

(Signatures with name and designation), Address, etc:

Annexure III : Manufacture's Authorization Form

Date:

To,
The Director
National Institute of Design
Opp. Musuem,
Paldi Ahmedabad 380007
Gujarat – India

RFP Ref: RFP NO: _____ and due on _____

Sub: Authorization Letter for Bidding for the above tender

Dear Sir,

We _____ who are established and reputable manufacturers _____ and head office /manufacturing hereby authorize _____ to submit a bid, and sign the work-order with you for the goods manufactured by us against the above IFB.

We hereby extend our full guarantee and warranty for the goods supplied by us, Confirm that the products quoted are not end of life products, and we confirm that we would provide post warranty support including spares, patches for the quoted products available for next 5 years. (3 Year warranty + 2 year extended)

Yours faithfully,
Authorized Signatory

Annexure IV : Work Experience

Experience in supply, installation commissioning and maintenance for HCI Setup					
Sr.No	Name of the Organization	Address of Installation	Tentative Bill of Material	Value of The Project in Rs.	Supporting PO and Completion Certificate attached or not
1					
2					
3					

Experience in supply, installation commissioning and maintenance for Cooling Rack					
Sr.No	Name of the Organization	Address of Installation	Tentative Bill of Material	Value of The Project in Rs.	Supporting PO and Completion Certificate attached or not
1					
2					
3					

Annexure V : Financial Strength of the Bidder

Financial Year	Turn Over in Lakhs of Rupees	System Integration Turnover in LACS	Audited Accounts submitted. (Yes/No) and Supporting Auditor Certificate for SI Turnover submitted (YES/NO)
2017-2018			
2018-2019			
2019-2020			

Note: Please fill this form and attach the audited Annual Accounts for the last three financial years along with the Auditor Certificate confirming the System Integration Turnover