



Bid Number/बोली क्रमांक (बिड संख्या):

GEM/2024/B/4659320

Dated/दिनांक : 26-02-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	08-03-2024 21:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	08-03-2024 21:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	30 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Health And Family Welfare
Department Name/विभाग का नाम	Department Of Health And Family Welfare
Organisation Name/संगठन का नाम	International Institute For Population Sciences (iips)
Office Name/कार्यालय का नाम	Mumbai
Total Quantity/कुल मात्रा	4
Item Category/मद केटेगरी	SERVERWITH(HCI) SOLUTIONS (Q3) , HCISOFTWARE (Q3)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	180 Lakh (s)
OEM Average Turnover (Last 3 Years)/मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)	400 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

Bid Details/बिड विवरण	
Past Performance/विगत प्रदर्शन	70 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Primary product category	SERVERWITH(HCI) SOLUTIONS
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	200000

ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई कटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

Assistant Registrar Administration
Mumbai, Department of Health and Family Welfare, International Institute for Population Sciences (IIPS), Ministry of Health and Family Welfare
(Manjiri Mangesh Rane)

Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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Reserved for MSE

Reserved for MSE	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.
[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.
5. Procurement under this bid is reserved for purchase from Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.
6. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.
7. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 70% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

SERVERWITH(HCI) SOLUTIONS (3 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	Download
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Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Manjiri Mangesh Rane	400088,International Institute For Population Sciences Govandi station Road , Govandi east, Deonar, Mumbai -400088	3	60

HCISOFTWARE (1 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	Download
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Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
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S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Manjiri Mangesh Rane	400088,International Institute For Population Sciences Govandi station Road , Govandi east, Deonar, Mumbai -400088	1	60

Buyer Added Bid Specific Terms and Conditions/क्रता द्वारा जोड़ी गई बिड की विशेष शर्तें

- Experience Certificate for the supply of the same to any Govt/ PSU/ any renowned private organisation along with Supply/ Purchase Order.
- If the agency is registered under MSME or NSIC, then EMD exemption certificate needs to be enclosed.
- Make in india specific authorisation certificate needs to be enclosed.
- Generic**

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

- Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

- Generic**

End User Certificate: Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

- Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- Inhibit the desires and designed function of the equipment.
- Cause physical damage to the user or equipment during the exploitation.
- Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

- Generic**

IT equipment shall be IPv6 ready from day one.

- Generic**

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

- Generic**

Non return of Hard Disk: As per Buyer organization's Security Policy, Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.

11. Generic

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

12. Generic

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

13. OEM

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

14. Financial Criteria

NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement.

15. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

16. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

17. Certificates

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

18. Certificates

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

19. Certificates

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

20. Turnover

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last

three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

21. **Turnover**

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

22. **Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

23. **Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

24. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

25. **Warranty**

Warranty period of the supplied products shall be as given in specifications from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

26. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Buyer Added text based ATC clauses

1. Buyer Added Bid Specific ATC Buyer uploaded ATC document Click here to view the file.

2. Buyer Added Bid Specific ATC Buyer Added text based ATC clauses

3-The bidder is required to upload GST Return, ITR, Audited Balance Sheet Issued by CA for the last financial year 2021-22, 2020-21, 2019-20 ,GSTR3B

4- Turn over Certificate for Last 3 Years Issued by CA with UDIN.

5- Bidder undertaking: (to be on non-judicial stamp paper of Rs 10 and notarized) I, __, s/o / d/o / w/o __, aged about __resident of __, do hereby declare and undertake that I/we participate in the Bid No..... with accepting all terms and condition of BID. The bidder should not be under liquidation, court receivership o

r similar proceedings should not be bankrupt. Bidder any immediate relative should not be working in the department and all relevant certificates/documents uploaded by the bidder is correct, Bidder to be upload.

6-The terms and conditions of the BID and the agreement executed by bidder will be applicable.

7-Ensure batch number on the packages should tally with batch number mentioned in the invoice/Delivery Challan.

8-The Supplier Should intimate the consignee in advance at least 7 days before the dispatch of items along with quantity of the items.

9-Bidder shall upload the following documents along with their bid for Vendor Code Creation:

- a. Copy of Aadhaar Card of Proprietor/Directors.
- b. Copy of PAN Card of Proprietor/Directors.
- c. Copy of GSTIN.
- d. Copy of Cancelled cheque.
- e. Partnership Deed (In case of Partnership Firm/Company).
- f. Memorandum of Association and Articles of Association and Certificate of Incorporation.

10-Non Blacklist declaration to be submitted by bidder on stamp paper.

11-Bid no.to be mentioned in MAF.

12 - IF BIDDER WILL FAIL TO DELIVER ITEMS IN THE GIVEN TIME PENALTY OF 1% OF BID VALUE WILL BE CHARGED TO HIM IN EVERY WEEK.

13- - IF BIDDER WILL MISLEAD ANY TERMS AND CONDITIONS AND NOT FULFILING THE ATC THEN THAT BIDDER WILL BE BLACKLISTED

14 - ALL DOCUMENTS SHOULD BE STAMP AND SIGN WITH BID NUMBER MENTIONED ON IT .

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27. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.

9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---

Servers with Hyper Converged Infrastructure (HCI) solutions for Data Center at IIPS

Bill of Materials

Sr. No.	Particular	Quantity
1	HCI Node: 1 * 16-core processor, 64GB * 8 DDR4 RAM, 2 * 3.8TB SSD disks, 2 * 18TB SATA HDDs, 2 * 10G Base T Ethernet ports, and dual power supply.	3
2	HCI Software: The HCI software includes a hypervisor and management software featuring micro segmentation and encryption at rest.	1

Implementation Timelines & Penalties:

Successful bidder has to complete the Installation/ Commissioning/ Complete Migration/Acceptance / Training of the ordered work within the time period (s) specified in the below table. However, in case of any delay solely on the part of successful bidder TENDERER reserve the right to levy the appropriate penalties as per the below table:

S/N.	Work type	Time Limit for Execution	Penalty for Delay	Maximum Penalty
1	Supply of the material including Licenses & OEM Warranty Certificate.	T+45 days from the date of issuance of work order.	0.5% of order value of delayed/pending work per week or part thereof	10%
2	Final Acceptance and Testing (FAT)	T+30 days	0.5% of order value of delayed/pending work per week or part thereof	10%
3	Timeline for Resolution / Complaint	--	Rs. 1000/- day.	Rs. 20000/-

Note:

- Material supply, installation, Complete Migration and commission as per this Bid/contract should be covered under the warranty for a period of five years from the date of FAT.
- T= Date of issuance of work order / LOI.
- In case of any fault arises in the installed items during the warranty period of five years, bidder is requiring to either repair the faulty items or have to install the replacement (complying to the RFP specification) for faulty material without any additional cost to the Tenderer.

Operational Penalty:

- Timeline for resolution is within 24 hours from date of call logged / reported to OEM. If the successful bidder fails to resolve the call as specified above, penalty will be imposed on each delayed day for 2000 Rs / Day, which will be recovered against Performance bank guarantee submitted by the successful bidder on completion of warranty period.

Final Acceptance Test: To be carried out based on followings but not limited to:

- After successful installation of the System in accordance with the requirements as mentioned in Schedule of Requirement, Final Acceptance Test will be conducted. After successful testing, Acceptance Test Certificate will be issued by ICT team/its designated agency to the successful bidder.
- The date on which Acceptance certificate is issued shall be deemed to be the date of successful commissioning of the System. Warranty and licenses should be valid for period of **5 years** from the date of issuance of Final Acceptance Certificate (FAT).
- Any delay by the successful bidder in the Acceptance Testing shall render the successful bidder liable to the imposition of appropriate Penalties.

Product Compliance:

- Bidder shall also obtain the five year OEM premium support (ATS/AMC) on all licensed software, hardware and other equipment for providing OEM support during the warranty period.
- Bidder shall provide the performance warranty in respect of performance of the installed hardware and software to meet the performance requirements and service levels in the bid.
- Offered OEM's products must have the presence in last 3 years at IITs/NITs/IIITs/TIFR/IISc etc. [Copy of Purchase Orders with completion certificate and Reference contact details to be attached]

In the technical bid section of GEM, the bidder is required to upload following documents;

1. Brochure and OEM Compliance of the Offered product on OEM Letterhead.
2. BOQ with part-code on OEM letterhead for Link Load balancer as well as other software and/or hardware components required to complete the solution.
3. Compliance of the SOW, SLA and Payment terms etc. as uploaded as part of the GEM Bid on bidder's letterhead.
4. Undertaking as per guidelines published by Ministry of Finance, Dept. of Expenditure, Public Procurement division dated 23.07.2020 in the given format by Bidder as well as OEM.

1. Hyper Converged Infrastructure for Data Center with support for 5 years.

Sr.No.	Features Description	Compliance (Yes/No)
General Specs		
1.	The solution is expected to deliver an end-to-end hyper-converged appliance with software capable of offering enterprise-class compute and storage services. It should leverage the latest x86 server infrastructures, employing an integrated approach that combines Compute, Network, Storage, and Management technologies. Importantly, this solution should operate independently, eliminating the need for a separate Storage Area Network (SAN) and associated components like SAN Switches and HBAs.	
2.	All the components of HCI shall be fully factory integrated appliance and ready for fast deployment. The product must come licensed for both hardware and all necessary software required for the proposed solution from day one, adhering to the provided technical specifications.	
3.	Fully Software Defined Hyperconverged Infrastructure Appliance/Technology (Compute, Storage and Management). Technology must be software defined, so that the technology is all integrated and cannot be broken out into separate components of Server and functional Storage on its own.	
4.	The Appliance/Technology should be independent of any hardware dependencies to facilitate the Hyper-Converged Solution.	
5.	The proposed solution must feature a single, browser-based management console capable of managing various aspects, including but not limited to VM, SDS, Replication, Backup & DR, Files NAS, Micro segmentation, Updates, and Upgrades.	
Sizing and Requirement:		
6.	Core, RAM and Storage Requirement: OEM/ Bidder need to propose the solution with minimum Intel-Xeon-Silver Proc. 2.4 GHz or above with Total availability of 48 cores or more, 1500 GB RAM and 30 TB or more useable Storage i.e. (1.5 TB SSD + 28.5 TB NL-SAS) without any deduplication and compression. The storage should support dedup compression. Caching must be redundant in nature and failure of single SSD must not consider as a node failure.	
Software-Defined Storage (SDS) Features:		
7.	SDS Feature: The proposed solution must be hypervisor and cloud agnostic, supporting Native Hyper-V, ESXi, AHV for future investment protection, and enabling migration from the mentioned hypervisors. Bidders are required to submit the public URL document pertaining to this requirement.	
8.	SDS Feature: The HCI cluster must be equipped with a minimum of 30TB usable disk capacity, utilizing a combination of SSD, NL-	

	SAS or SAS drives. This 30TB capacity requirement should be met without factoring in any data reduction features such as deduplication or compression. Additionally, the proposed solution should have the capability to automatically rebuild data in the event of a node failure.	
9.	SDS Feature: The proposed usable storage should be calculated considering an FTTR=1 and RF=2 configuration.	
10.	SDS Feature: The proposed HCI Solution must include a redundant cache disk for each node. These HCI nodes should support Cache Drives for both caching purposes and storing VM data. A failure in the cache drive should not result in the entire node failing. Each node must have redundant Cache Drives, with a minimum specification of 2 x 1.92 TB enterprise-class solid-state drives.	
11.	SDS Feature: The HCI solution should support scaling the hyper-converged nodes, allowing for the addition of compute-only nodes, storage-only nodes, or mixed nodes combining CPU and storage resources. The SDS Solution must support both Hybrid and All-flash nodes within the same cluster, as IIPS plans to incorporate all-flash nodes, NVMe, or SSDs in the future within the same cluster..	
12.	SDS Feature: The proposed HCI solution should support a minimum of one node failure without affecting or degrading production services or usable resources for end-user applications. The solution must be designed to avoid any single points of failure (NSPOF).	
13.	SDS Feature: The proposed HCI solution should support scalability up to 64 hyper-converged nodes (combining Compute and Storage) or more within a single cluster. Additionally, the proposed appliance must include N+1 redundant power supplies and cooling fans.	
14.	SDS Feature: The proposed HCI solution should allow for the future addition of nodes with different CPU models of the same architecture and memory capacity/configuration within the same cluster.	
15.	SDS Feature: The solution must be plugin less in the Hypervisor for HCI management. No additional plugin need to be installed. Management console must on all the known browser like Google Chrome, Firefox and IE.	
16.	SDS Feature: The proposed HCI Solution must be hardware OEM agnostic, capable of running on hardware from any known OEM.	
17.	SDS Feature: The HCI solution should support linear scaling of Compute and Storage capacity and performance by adding nodes. Existing VMs should benefit from the enhanced storage performance and capacity resulting from the addition of new HCI nodes. Additionally, for improved performance and availability, data distribution across HCI nodes for a VM should be possible.	
18.	SDS Feature: The solution must automatically rebalance data to ensure balanced storage utilization across the HCI nodes. When scaling up or out the storage capacity, the HCI nodes should	

	automatically redistribute data equally across all nodes without requiring VM migration. Additionally, the solution should support data locality for running VMs to enhance performance and prevent network congestion.	
19.	SDS Feature: The proposed solution must include Storage DRS, capable of automating storage rebalancing and determining the optimal placement for a VM during creation or prolonged usage.	
OS/Virtualization:		
20.	Virtualization: The HCI Solution should be implemented using leading virtualization software (hypervisor) that operates directly on bare metal, providing functionalities such as High Availability, DRS, Affinity, and Anti-Affinity for the VMs.	
21.	Virtualization : In the proposed HCI Solution, the Hypervisor should prioritize storage and network access by continuously monitoring the I/O load of storage volumes and the network. It should dynamically allocate available I/O resources to virtual machines based on business needs.	
22.	Virtualization: The proposed solution must be hypervisor-agnostic and support a minimum of two hypervisors (Hyper-V, ESXi, or AHV) to safeguard IIPS' investments. As IIPS might consider different hypervisors for Disaster Recovery (DR) in the future, the proposed HCI solution should seamlessly integrate and replicate within a multi-hypervisor environment..	
23.	Virtualization: The virtualization software should dynamically allocate and balance computing capacity across aggregated collections of hardware resources, forming a unified resource pool. It should offer optional control over the movement of virtual machines, allowing restrictions on VMs to operate only on selected physical hosts (affinity / anti-affinity).	
Performance:		
24.	Performance: The proposed HCI cluster must maintain an average cluster latency of less than 7ms.	
25.	Data locality and performance: The proposed HCI Solution should maintain a primary copy of the data stored locally on the Server/Node to facilitate faster read and write operations. Additionally, a secondary copy must be distributed across other available HCI Nodes at any given point in time.	
26.	The overall cluster must be capable of delivering a minimum of 60,000 IOPS with an 80/20 Read/Write ratio and an 8KB block size. Additionally, licenses for deduplication and compression must be provided on day one.	
Monitoring, Reporting, alert and remediation:		
27.	Monitoring & Reporting : The solution shall have single dashboard for 1. VM – CPU, Memory, RAM, IOPS, network Latency. 2. Storage Latency Monitoring.	

	<p>3. The solution must have alerts and notification, which can be integrated to NMS or SNMP for sending the alerts and Events to external Monitoring solution.</p> <p>4. Micro segmentation and Files Solution.</p>	
28.	Alerts & Capacity Runaway: Proposed HCI should have support Realtime Analytics on Health of the storage, Hardware.	
Business Continuity Plan and Data Protection		
29.	<p>Solution should have No Single Point of Failure with complete redundancy at all levels considering Fault-tolerant recovery time (FTTR)=1 with RAID- 1(Mirroring) Performance or RF=2 and solution should be sized to support data & cluster availability in event of one Node Failure (N+1).</p> <p>capable of providing zero data loss, minimum downtime of VMs from day one within the same cluster.</p>	
30.	Backup : The proposed HCI Solution must include an inbuilt, unlimited snapshot-level backup solution that doesn't impact VM performance.	
31.	<p>Replication: The proposed HCI Solution should support synchronous and asynchronous replication between the Primary HCI Cluster and the DR Node/Cluster in the future.</p> <p>The quoted solution must offer VM-level or Native Storage replication from a Primary site to establish an effective Disaster Recovery (DR) Site strategy. It should support both Sync (0 Min RPO in the future) and Async (1-hour RPO from day 1). A public URL link needs to be provided for validating these features.</p>	
Security		
32.	Micro segmentation/SDN: The solution should support a stateful distributed firewall such that the firewalling for Virtual Machines can be provided closest to the application within the server itself without traffic going to a Physical Firewall.	
33.	Micro segmentation/SDN: The solution should support integration of third-party network and security solutions through open architecture and standard APIs. The bidder shall provide a list of ecosystem vendors that integrate with the framework.	
34.	<p>Micro segmentation/SDN:</p> <p>The solution should support Micro segmentation to control the East-West Traffic between the VMs. It must have feature like:</p> <p>3a. Isolation Policy</p> <p>3b. App Policy to define the port need to be open within the application group (Web- app and DB etc)</p> <p>3c. the Micro segmentation must have a support for packet encapsulation like VXLAN /GENEVE.</p>	
35.	Data-at-Rest Encryption: The Solution must have data at rest encryption natively, in case the solution require 3rd part Hardware KMS solution bidder need to provide the same in HA	
Licensing		

36.	Software Licenses - The proposed hypervisor should support Distributed Resource Scheduling and Distributed Networking right from day one. The HCI licenses quoted must be portable to other Hardware OEM and there should not be restriction on license portability, IIPS in future can leverage other Hardware OEM as well.	
37.	Proposed HCI must have following license including but not limited to Virtualization / Management console / VM Base Replication for unlimited VM with 1 HR RPO/ Compression and Deduplication, VM Cloning, HA, vMotion, DRS and Operation Management.	
Warranty & Support		
38.	The offering must include a comprehensive five-year on-site 24/7 warranty, accompanied by OEM backend support for both the supplied hardware and software. The warranty period shall commence from the date of successful completion and acceptance of the entire offered solution.	
Nic Card		
39.	Should have Dual Port - 10GbE	
Deployment		
40.	Commissioning, Installation and deployment of HCI solution is to be done by bidder.	
41.	Bidder should consider and provide required Microsoft OS for Virtual Instances in consultation with IIPS.	
Training		
42.	Bidder to provide training on HCI and its documentation.	
Migration		
43.	The bidder should assist IIPS in migrating the existing infrastructure to the new one.	
Patches		
44.	The bidder is expected to assist IIPS with the future upgrade of patches during the specified warranty period.	

<<On letterhead of Bidder>>

Sub : Undertaking as per Office Memorandum No.: F. No.6/18/2019-PPD dated 23.07.2020 published by Ministry of Finance, Dept. of Expenditure, Public Procurement division.

Ref: Bid Number:-----

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I certify that we as a bidder and quoted product from following OEMs are not from such a country or, if from such a country, these quoted products OEM has been registered with competent authority. I hereby certify that these quoted product & its OEM fulfills all requirements in this regard and is eligible to be considered for procurement for Bid number _____

No.	Item Category	Quoted Make & Model

In case I'm supplying material from a country which shares a land border with India, I will provide evidence for valid registration by the competent authority; otherwise IIPS/End user Dept. reserves the right to take legal action on us.

(Signature)

Authorized Signatory of M/s << >>