



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/5628199
Dated/दिनांक : 25-11-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	16-12-2024 10:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	16-12-2024 10:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	180 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Department Of Space
Department Name/विभाग का नाम	Department Of Space
Organisation Name/संगठन का नाम	Indian Space Research Organization
Office Name/कार्यालय का नाम	U R Rao Satellite Centre
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	Hyper Converged Infrastructure for Data Center (V2) (Q2)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC) *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
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	Yes
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days

Bid Details/बिड विवरण

Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Arbitration Clause	No
Mediation Clause	No

EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	3.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	62

(a). 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 :

Purchase & Stores Officer

U R Rao Satellite Centre, Department of Space, indian space research organization, Department of Space (R Surabhi)

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and

"Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

3. 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.

4. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. 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 and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. 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. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

Hyper Converged Infrastructure For Data Center (V2) (1 pieces)

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

Technical Specifications/तकनीकी विशिष्टियाँ

[* जेम कटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
BASIC INFORMATION	Type of HCI offered	3. Generic node HCI (consisting both Compute and Storage)
	Total usable Cores available (after installation of HCI software resources required for solution) in the offered solution (Hint :- Select '0' if not applicable)	140.0 - 3000.0 Or higher

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Total usable Storage in TB available without using De-duplication,Compression (after installation of HCI software resources required for solution) in the offered solution (Hint :- Select '0' if not applicable)	110.0 - 1000.0 Or higher
	Total usable RAM in GB available (after installation of HCI software resources required for solution) in the offered solution (Hint :- Select '0' if not applicable)	3248.0 - 12000.0 Or higher
	Types of data copies across Cluster available in the offered solution (Hint: Select 0 if not applicable)	2
	Number of Nodes offered in HCI Cluster (Hint:- 1 node option upgrade or DR only)	7
	Number of Sockets offered per Node	2
	Number of Cores per Sockets	12.0 - 40.0 Or higher
	Number of populated Processor per Node	2
	Type of Processor offered in the system	1. Intel Skylake, 2. Intel Cascade lake, 3. Intel latest processor, 4. AMD EPYC Processor
	Type of storage media offered with the solution	1. SSD Drives, 2.SAS Drives
	Total Storage capacity (RAW) offered per node in TB (Hint: - 0 is only for compute node)	39.68 - 1000.0 Or higher
	Storage capacity offered per node with SAS drives in TB (Hint :- Select '0' if not applicable)	32.0 - 1000.0 Or higher
	Storage Scalability per node with SAS drives in TB (Hint :- Select '0' if not applicable)	0.0 - 8000.0 Or higher
	Storage capacity offered per node with SSD drives in TB (Hint :- Select '0' if not applicable)	7.68 - 1000.0 Or higher
	Storage Scalability per node with SSD drives in TB (Hint :- Select '0' if not applicable)	0.0 - 8000.0 Or higher

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Storage capacity offered per node with NL SAS drives in TB (Hint :- Select '0' if not applicable)	0.0 - 1000.0 Or higher
	Storage Scalability per node with NL SAS drives in TB (Hint :- Select '0' if not applicable)	0.0 - 8000.0 Or higher
	Storage capacity offered per node with NVMe in TB (Hint :- Select '0' if not applicable)	0.0 - 1000.0 Or higher
	Storage Scalability per node with NVMe in TB (Hint :- Select '0' if not applicable)	0.0 - 8000.0 Or higher
	RAM Capacity (Raw) offered per node in GB (Hint: Select 0 if not applicable)	512.0 - 8192.0 Or higher
	RAM scalability per node in GB	768.0 - 8192.0 Or higher
	No of cache drives per node	0, 1, 2, 3, 4
	Cache offered per node in GB (Hint: Select '0' if not applicable)	0.0 - 6400.0 Or higher
	Cache scalability per node in GB (Hint: Select '0' if not applicable)	0.0 - 12800.0 Or higher
	Number of Network ports per node (Hint: Select '0' if not applicable)	4.0 - 10.0 Or higher
	Throughput Per Network port	10 Gbps
	Type of Network port	Base T
HCI Interconnect Switches	Number of L2 Switches to be offered for Interconnection all the Network Ports in the Cluster	2
	Throughput Available per port	10 Gbps, 25 Gbps, 40 Gbps, 100 Gbps, NA
	Number of Available Ports for 10 Gbps throughput per Switch (Hint :- Select '0' if not applicable)	48.0 - 100.0 Or higher
	Number of Enabled Ports for 10 Gbps throughput per Switch (Hint :- Select '0' if not applicable)	48.0 - 100.0 Or higher

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Number of Available Ports for 25 Gbps throughput per Switch (Hint :- Select '0' if not applicable)	4.0 - 100.0 Or higher
	Number of Enabled Ports for 25 Gbps throughput per Switch (Hint :- Select '0' if not applicable)	0.0 - 100.0 Or higher
	Number of Available Ports for 40 Gbps throughput per Switch (Hint :- Select '0' if not applicable)	0.0 - 100.0 Or higher
	Number of Enabled Ports for 40 Gbps throughput per Switch (Hint :- Select '0' if not applicable)	0.0 - 100.0 Or higher
	Number of Available Ports for 100 Gbps throughput per Switch (Hint :- Select '0' if not applicable)	2.0 - 100.0 Or higher
	Number of Enabled Ports for 100 Gbps throughput per Switch (Hint :- Select '0' if not applicable)	0.0 - 100.0 Or higher
PERFORMANCE	IOPS delivered at 70:30 Read:Write Ratio on 8K block size with latency of 5ms maximum for each node	10000.0 - 100000.0 Or higher
	Scalability: Any additional node/ storage/ RAM added to the cluster to augment compute/storage/memory capacities, the same performance per node on upgraded node / Storage / RAM	Yes
	ADDITIONAL PERFORMANCE PARAMETER	1. NA

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
HCI FEATURES	HCI Features 1	1. HCI have all the features of offered industry standard hypervisor, 2. HCI have independently scale storage and compute as and when needed without any downtime., 3. HCI have mechanism for Metadata protection for all offered nodes within the cluster so as to provide high availability and no single point of failure., 4. HCI is configuration of SSD/SAS/NL SAS/NVMe then the caching must be on appropriate capacity of SSD/ NVME drives to meet the IOPS/performance requirements., 5. HCI supports thin provisioning of both storage entities and virtual machine hard disks, 6. HCI provides automatic failover in case of hardware failure., 7 VLAN for networking and integrated VM IP?s Management capabilities, 8. HCI has security compliance methodology to ensure highly secure environment., 9. HCI has data replication with WAN optimization.
	HCI Features 2	1. HCI provides management through a remote/On premise GUI console. Also provides storage, compute & hypervisor metrics on a per VM /Node level as well as health and monitoring of entire platform., 2. Platform support LDAP Active Directory integration. The clients installed on any major Operating System., 3.Platform supports monitoring via SNMPv3 , email alerting via SMTP., 4. Capable of creating instant snapshots of virtual machines and maintaining multiple copies of snapshots & clones, 5. Capabability to support native VM/HCI level replication for installed Hypervisor
	Supported industry protocols by HCI	1.NFS, 2. SMB, 3. Iscsi
	HCI capability to support File/Block Services and file/block replication across clusters for	1. NFS, 2. CIFS, 3.SMB, 4. iSCSI
	HCI Generic Parameters	Number of nodes HCI supports in same cluster/deployment, such that any node out of the offered be able to use the storage of all other nodes
"Hypervisor to be integrated with SDS"		outside kernel
HCI support		1.AHV (Acropolis Hypervisor), 2. Hypervisor Agnostic Solution, 3. Hyper-V, 4.VSPHERE, 5. Xen Server, 6. KVM, 7. RHEV, 8.NA
"Bare-metal / Non Bare metal type of virtualization hypervisor"		Bare Metal
"Integration with Third Party FC Storage"		6. NA
"The length of cable connecting the Nodes to the Switch (meters)"		3.0 - 50.0 Or higher

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Advance featrues of HCI	1. NA
GENERIC PARAMETERS	The offered product have support from OEM for	1. Updation for Patches and Bug fixes for software within supooort period., 2. Upgradation of version software within support period ., 3. Service and support from OEM within support period.
	Number of Years upto which support is available from OEM for Updation (Patches and Bug fixes) within support period	5
	Number of Years upto which support is available from OEM for Upgradation of version within support period	5
	"Number of years of service and support from OEM"	5
	Installation, & Commissioning	Yes
	Number of days Training Provided at Site by OEM	0

Installation Commissioning and Testing (ICT) details for the above item:

% of Product Cost Payable on Product Delivery	80%
Min Cost Allocation for ICT as a % of product cost	20%
Number of days allowed for ICT after site readiness communication to seller	30 Days/दिन

Consignees/Reporting Officer/परेषिती/रिपोटिंग अधिकारी and/ तथा Quantity/मात्र

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	R Vijaya Chandrika	560017,U R RAO SATELLITE CENTRE (URSC) DEPARTMENT OF SPACE OLD AIRPORT ROAD,VIMANAPURA PO	1	90

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

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

Buyer Added text based ATC clauses 1. For any clarification : regarding Tender : You may contact Purchase and Stores Officer [PURCHASE DIVISION] on pso_c@ursc.gov.in indicating subject as- "Tender Enquiry against Ref. No. : ISMI 2024 0 61922 0 1 with GeM BID No."

2. Regarding dispatch/supply/delivery : You may contact Purchase and Stores Officer [STORES DIVISION] on pso_stores_a@ursc.gov.in. Contact No.: 080 2508 2077/ 2 089/ 2090 indicating subject as- "Tender Enquiry against Ref. No. : ISMI 2024 0 61922 0 1 with GeM BID No."

3. Kindly confirm, Country of origin on your Company Letter Head.

4. Please mention exact percentage of Local content on your Company Letter Head.

5. Place of value addition on your Company Letter Head.

6. Percentage of Foreign content with country of origin on your Company Letter Head.

7. Non Compliance of any Techno-Commercial Terms and Conditions will not be evaluated

8. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST. Applicable Concessional rate of GST : 5 % Notification No. and date : 6/2018, 7/2018 dated 25/01/2018

9. Technical specification attached in ATC will prevail and Vendor has to quote according to the ATC technical specification.

3. 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. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

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. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
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---